STR-DA7100ES

SERVICE MANUAL

Ver. 1.3 2005.12

US Model
Canadian Model
AEP Model
Taiwan Model
Korean Model
Chinese Model

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
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** Manufactured under license from Digital Theater Systems, Inc. U.S. Pat. No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 and other U.S. and world-wide patents issued and pending.
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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(Models of area code US only)
With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 170 watts per channel minimum RMS power, with no more than 0.15% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Models of area code US, CND, TW:
POWER OUTPUT
Rated Power Output at Stereo Mode[1]
(8 ohms 20 Hz – 20 kHz, THD 0.15%):
170 W + 170 W
Reference Power Output at Stereo Mode
(4 ohms 20 Hz – 20 kHz, THD 0.15%):
170 W + 170 W
Reference Power Output
(8 ohms 20 Hz – 20 kHz, THD 0.15%)
FRONT[2]: 170 W + 170 W
CENTER[2]: 170 W
SURR[2]: 170 W + 170 W
SURR BACK[2]: 170 W + 170 W
Reference Power Output
(4 ohms 20 Hz – 20 kHz, THD 0.15%)
FRONT[2]: 170 W + 170 W
CENTER[2]: 170 W
SURR[2]: 170 W + 170 W
SURR BACK[2]: 170 W + 170 W

Models of area code AEP, KR, CH:
POWER OUTPUT
Rated Power Output in Stereo Mode[1]
(8 ohms 1 kHz, THD 0.7%):
170 W + 170 W
Reference Power Output in Stereo Mode
(4 ohms 1 kHz, THD 0.7%):
170 W + 170 W
Reference Power Output
(8 ohms 1 kHz, THD 0.7%):
FRONT[2]: 170 W + 170 W
CENTER[2]: 170 W
SURR[2]: 170 W + 170 W
SURR BACK[2]: 170 W + 170 W

– Continued on next page –

FM STEREO FM/AM RECEIVER

9-879-764-04
2005L05-1
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Sony Corporation
Home Audio Division
Published by Sony Engineering Corporation

Reference Power Output	(4 ohms 1 kHz, THD 0.7%): FRONT2): 170 W + 170 W CENTER2): 170 W SURR2): 170 W + 170 W SURR BACK2): 170 W + 170 W

1) Depending on the sound field settings and the source, there may be no sound output.
2) Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz
TW	110 V AC, 60 Hz
AEP	230 V AC, 50/60 Hz
KR	230 V AC, 60 Hz
CH	230 V AC, 50 Hz

Frequency response

PHONO	RIAA equalization curve ± 0.5 dB
Power Amp Block	10 Hz – 50 kHz ± 3 dB (8 ohms)

Inputs (Analog)

PHONO	Sensitivity: 2.5mV Impedance: 50kohms S/N: 86dB (A, 20 kHz LPF)
MULTI CHANNEL INPUT1/2, SA-CD/CD, TAPE, MD/DAT, DVD, TV/SAT, VIDEO1/2/3	Sensitivity: 150mV Impedance: 50kohms S/N: 96dB (A, 20 kHz LPF)

Inputs (Digital)

SA-CD/CD, DVD (Coaxial)	Impedance: 75ohms S/N: 96dB (A, 20 kHz LPF)
SA-CD/CD, DVD, TV/SAT, MD/DAT, VIDEO 3 (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

TAPE, MD/DAT (REC OUT), VIDEO1/2 (AUDIO OUT)	Voltage:150mV Impedance: 10kohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2V Impedance: 1kohms

EQUALIZER

Gain levels	±10 dB, 1 dB step

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Usable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	
Models of area code US, CND:	530 – 1,710 kHz3) (With 10-kHz tuning scale) 531 – 1,710 kHz3) (With 9-kHz tuning scale)
Models of other area codes:	531 – 1,602 kHz (With 9-kHz tuning scale)
Antenna	Loop antenna
Usable sensitivity	50 dB µ/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

3) You can change the AM tuning scale to either 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down PRESET TUNING + or TUNING +, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms P_B/C_B/B-Y: 0.7 Vp-p, 75 ohms P_R/C_R/R-Y: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through (When PROGRESSIVE OUT is set to “OFF”)

i.LINK section

Pin	4 pins
Transmission speed	S200 (Maximum data transmission speed 200 Mbps)
Transmission protocol	A/M transmission protocol
Format (input)	Super Audio CD* (DSD PLAIN) 2 channel linear PCM (IEC-60958-3) Sampling frequency: 44.1 kHz

* Conforms to the copy protection technology of DTLA (Revision 1.3).

General

Power requirements

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP	230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz
KR	220 V AC, 60 Hz
CH	220 V AC, 50 Hz

Power consumption

Area code	Power consumption
US, AEP, TW, KR, CH	250 W
CND	300 VA

Power consumption (during standby mode)
1 W

AC outlets

Area code	AC outlets
US, CND	2 switched, 120 W/1A MAX
AEP	1 switched, 100 W MAX
TW, KR, CH	– (no AC outlet)

Dimensions	430 × 175 × 470 mm (17 × 7 × 18 $^5/_8$ in.) including projecting parts and controls
Mass (Approx.)	23.5 kg (51 lb. 13 oz.)

Supplied accessories

FM wire antenna (1)
AM loop antenna (1)
AC power cord (1)
Remote commander RM-AAE003 (1)
LR6 (size-AA) batteries (3)
Remote commander RM-US106A (1)
R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  TW : Taiwan model

关于安全相关零部件的警告

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所表示的零部件，对于安全操作至关重要。更换时，必须依据本手册或索尼公司追加发行的手册中列明的零件号，使用索尼公司的零件进行。

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

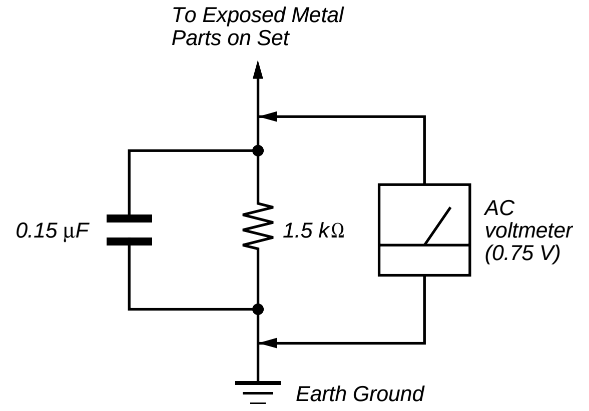

Fig. A. Using an AC voltmeter to check AC leakage.

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SECTION 1
SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –

Model	PART No.
US and Canadian models	2-048-957-1□
AEP model	2-048-957-2□
Korean model	2-048-957-3□
Taiwan model	2-048-957-4□
Chinese model	2-048-957-5□

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

NOTE WHEN MEASURING THE VOLTAGE OF THE CIRCUITS THAT USE VIRTUAL GROUND

This set contains the circuits that take grounding not from usual ground but from virtual ground.
When measuring circuits in the D-AM and TERM COM boards and the circuits in MOTHER COM and DC DIF boards that take “VIRTUAL GND” or “V-GND” as a ground, take grounding from CN3804 pin ② of the MOTHER COM board.

NOTES ON REPLACEMENT OF ILINK BOARD

New part of flash memory (IC3001) on the ILINK board cannot be used.
Therefore, if the mounted ILINK board is replaced, exchange new flash memory (IC3001) with that used before the replacement.

NOTE OF HANDLING THE ILINK BOARD (Part No. A-1126-993-A)

When the ILINK board is replaced by a repair for a fee, throw away the ILINK board after obtaining consent of not returning of the ILINK board to the customer. When throwing away the ILINK board, be sure to throw away after destroying IC3205 and IC3208 physically with the hammer etc.

ERROR MESSAGES

If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by message. Refer to the following table to solve the problem.

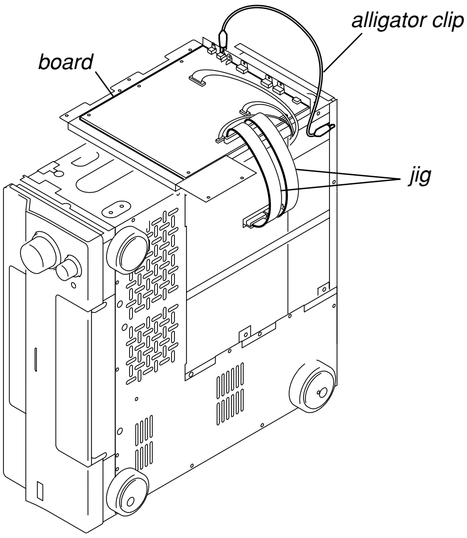
messages	check code	cause and response
DECODE ERROR	01	Appears when the signal which the receiver can not decode (example DTS-CD) is input when “DEC. PRI.” in the CUSTOMIZE menu is set to “PCM”. Set to “AUTO”.
PROTECTOR	11	Irregular current output to the speakers. Turn off the receiver and check the speaker connection. Then turn on the power again. Be comes this display, When short current flowed with breakage of the power MOS, or when detection resistor becomes open in connection with it.
PROTECTOR	12	The amplifier section is overheated. Turn off the receiver and check that the ventilation hole is not covered. Leave the receiver for a while and turn on the power again.
PROTECTOR	13	The power supply section is overheated. Turn off the receiver and check that the ventilation hole is not covered. leave the receiver for a while and turn on the power again.
PROTECTOR	14	Turn off the receiver, check the central core of a speaker cord is not touching te receiver of other speakers, and turn on again.
PROTECTOR	21	DC between speaker terminal is detected (abnormalities such as DSD 0DATA and signal clip can be considered). Turn off the receiver and check the speaker connection. Then turn on the power again.
PROHIBITED	71	The receiver cannot output the sound due to the copyright protection.
UNKNOWN SIGNAL	72	The receiver is not compatible with the format of the input signal.
BUSFULL	73	Since the i.LINK bus is busy with other connected component's output signals, audio signals cannot be connected. Stop sending output signals from connected components (Turn off the component or prress the STOP button etc.). Press i.LINK on the receiver, then select the player again.
LOOP CONNECT	74	i.LINK connection is caught in a loop. Check the connection.

OPERATION CHECK OF BOARDS ON THE MOTHER COM BOARD

The boards connected to the MOTHER COM board via the connectors can be operated using the jig with the boards disconnected from the MOTHER COM board.
In such a case, for the board with the bracket (back panel), remove the board together with teh bracket from the MOTHER COM board, and connect the bracket to the chassis using a cable attached with alligator clips for GND connection.

Board	Ref. No. of connector		Pitch/Pin	Part No. of jig
	Each board	MOTHER COM board		
DIGITAL board	CN2003 CN2011 CN2012	CN2006 CNS805 CN2004	1.25 mm/21 pin 1.25 mm/20 pin 1.25 mm/18 pin	J-2501-208-A J-2501-260-A J-2501-259-A
ILINK board	CN3003 CN3004	CN5207 CN5208	1.25 mm/20 pin 1.25 mm/16 pin	J-2501-260-A J-2501-258-A
D-AMP board	CN1403 CN1406 CN1410 CN1411	CN5216 CN5215 CN1412 CN1413	1.25 mm/6 pin 1.25 mm/6 pin 1.25 mm/8 pin 1.25 mm/12 pin	J-2501-261-A J-2501-261-A J-2501-275-A J-2501-276-A

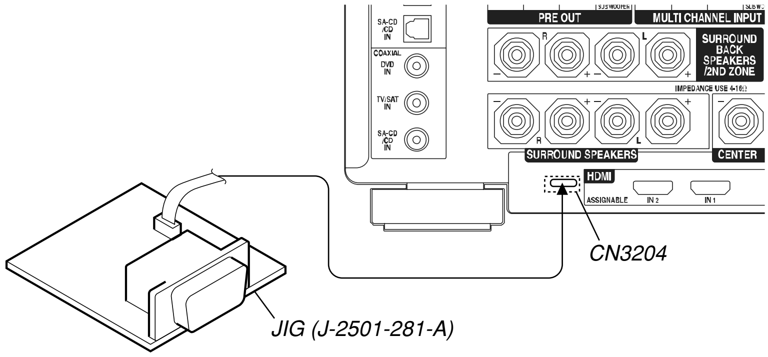
Example of Connection


alligator clip
board
jig

UPDATE OF SOFTWARE OF THE HDMI CONTROLLER (IC3209)

Perform operation of the following when the update of software of the HDMI controller (IC3209) is necessary.

Connect:


SA-CD /CD IN
COAXIAL
DVD IN
TV/SAT IN
SA-CD /CD IN
PRE OUT
MULTI CHANNEL INPUT
SURROUND BACK SPEAKERS /2ND ZONE
IMPEDANCE USE 4-16Ω
SURROUND SPEAKERS
CENTER
HDMI
ASSIGNABLE
IN 2
IN 1
CN3204
JIG (J-2501-281-A)

Procedure:

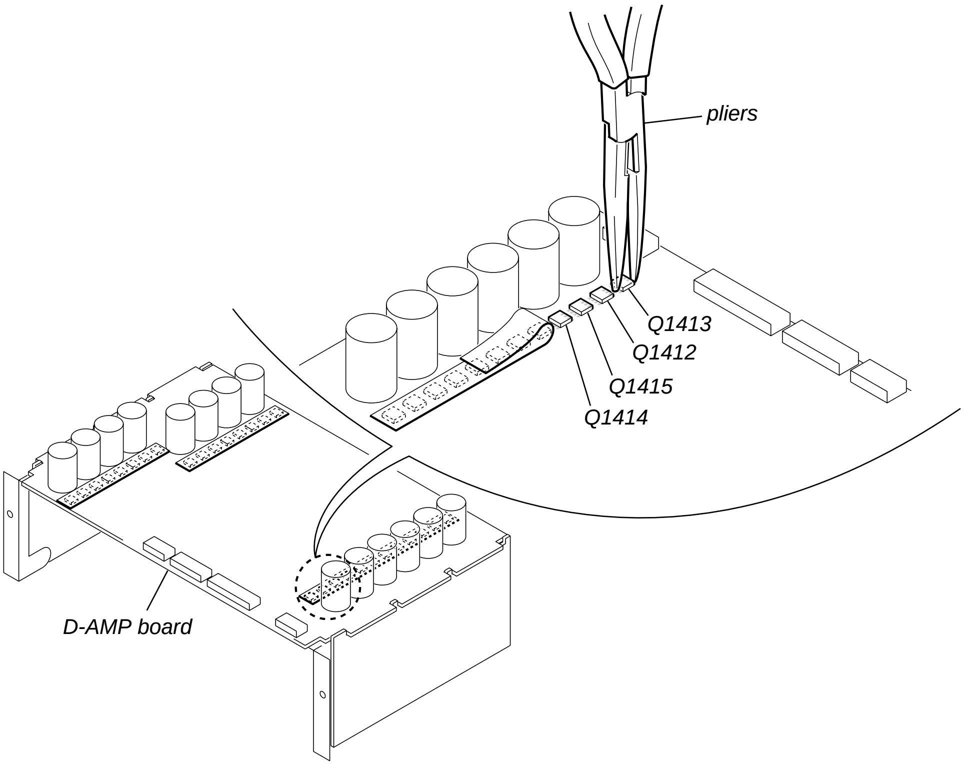
1. Connect CN3204 on the ILINK board and PC by using jig (Part No. : J-2501-281-A)
2. Boot the “Upgrade3” of update application distributed with the manual.
3. Select the item of “COM PORT No” and “V-BAUD RATE”.
4. Click the “FILE SELECT” and select the file that wants to be updated.
5. “Update Information” is displayed, and update by clicking “START”.
6. When the update ends, the set is initialized.

NOTE WHEN REPLACING THE POWER MOS ON THE D-AMP BOARD

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.

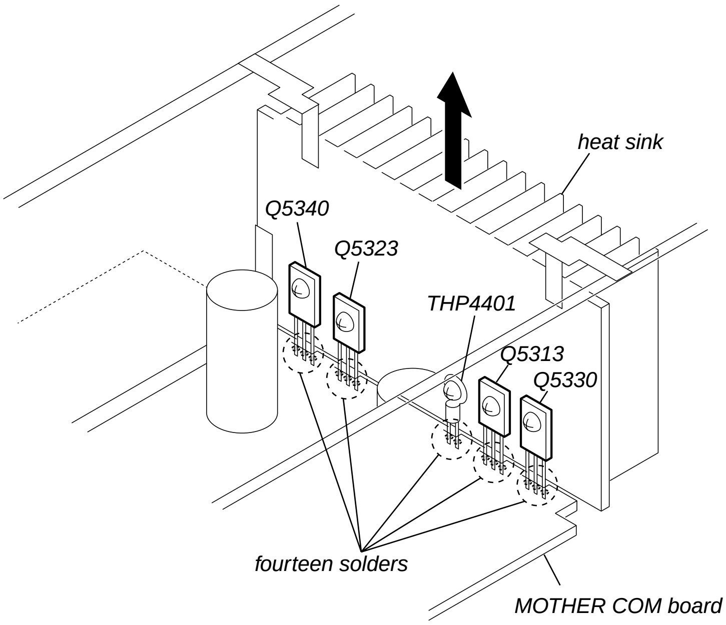
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]

Also, when replacing them, be sure to destroy the Power MOS main body with pliers, etc. and wipe off debris, and then mount new parts.


pliers
Q1413
Q1412
Q1415
Q1414
D-AMP board

NOTE WHEN REPLACING REGULATORS ON THE MOTHER COM BOARD

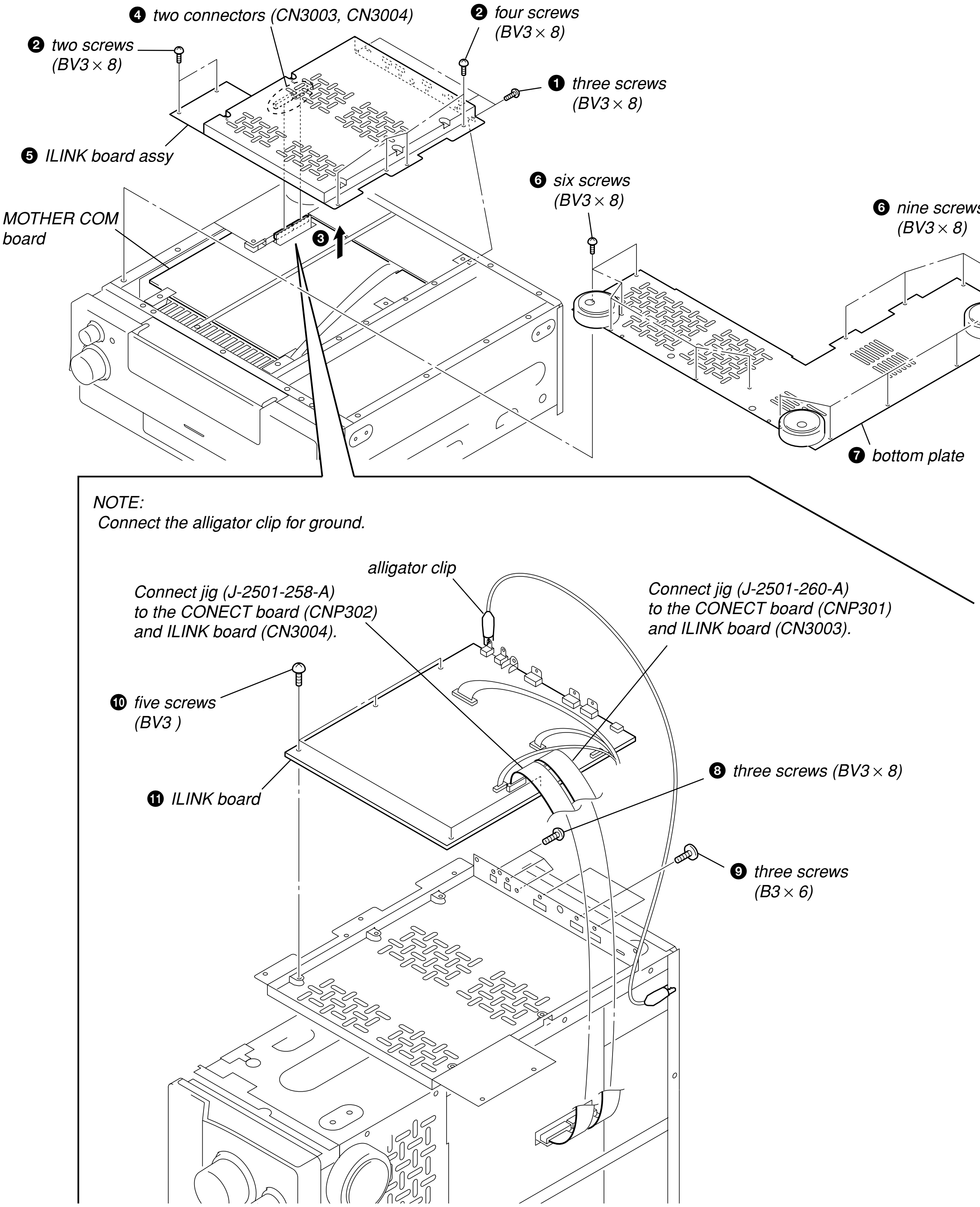
When replacing the regulators (Q5313, 5323, 5330, 5340) and thermistor (THP4401) on the MOTHER COM board, unsolder all these parts, and then remove them together with the heat sink, and remove screws and replace respective parts.


heat sink
Q5340
Q5323
THP4401
Q5313
Q5330
fourteen solders
MOTHER COM board

Note: Follow the disassembly procedure in the numerical order giver

SERVICE POSITION OF THE ILINK BOARD AND THE MOTHER COM BOARD

– BOTTOM VIEW –


❹ two connectors (CN3003, CN3004)
❷ four screws (BV3 × 8)
❷ two screws (BV3 × 8)
❶ three screws (BV3 × 8)
❺ ILINK board assy
❻ six screws (BV3 × 8)
❻ nine screws (BV3 × 8)
MOTHER COM board
❸
❼ bottom plate
alligator clip
❿ five screws (BV3)
⓫ ILINK board
❽ three screws (BV3 × 8)
❾ three screws (B3 × 6)

NOTE:
Connect the alligator clip for ground.

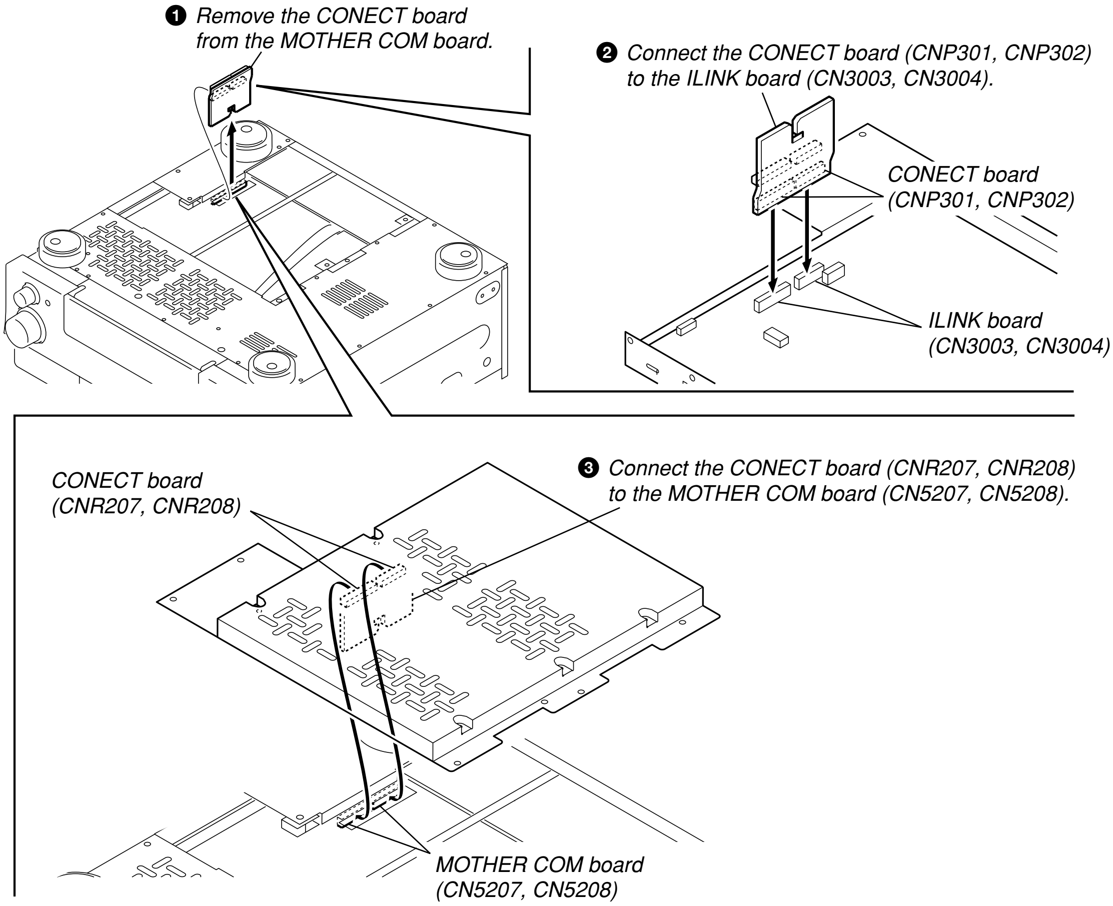
Connect jig (J-2501-258-A) to the CONECT board (CNP302) and ILINK board (CN3004).

Connect jig (J-2501-260-A) to the CONECT board (CNP301) and ILINK board (CN3003).

NOTE WHEN INSTALLING THE ILINK BOARD

– BOTTOM VIEW –

NOTE: Assemble it after CONECT board is removed from MOTHER COM board once, and it connects it with ILINK board when you remove ILINK board from the set for some repairs.
The purpose of this is to prevent the bad connection of the connector of CONECT board (CNP301, CNP302) and ILINK board (CN3003, CN3004).



❶ Remove the CONECT board from the MOTHER COM board.

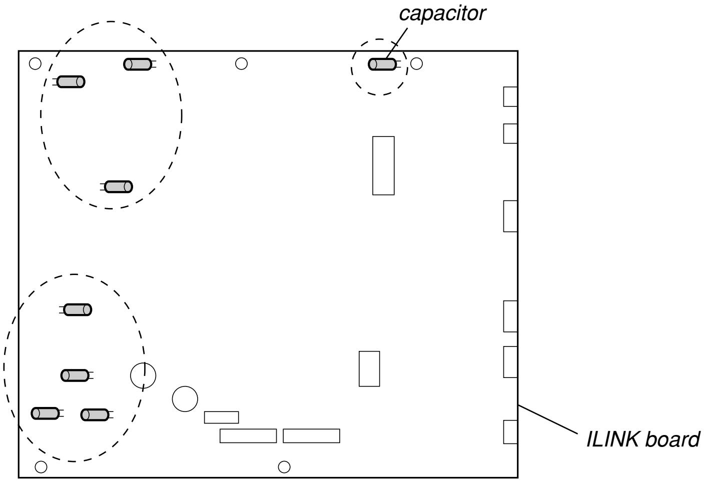
❷ Connect the CONECT board (CNP301, CNP302) to the ILINK board (CN3003, CN3004).

❸ Connect the CONECT board (CNR207, CNR208) to the MOTHER COM board (CN5207, CN5208).

CONECT board
(CNP301, CNP302)
ILINK board
(CN3003, CN3004)
CONECT board
(CNR207, CNR208)
MOTHER COM board
(CN5207, CN5208)

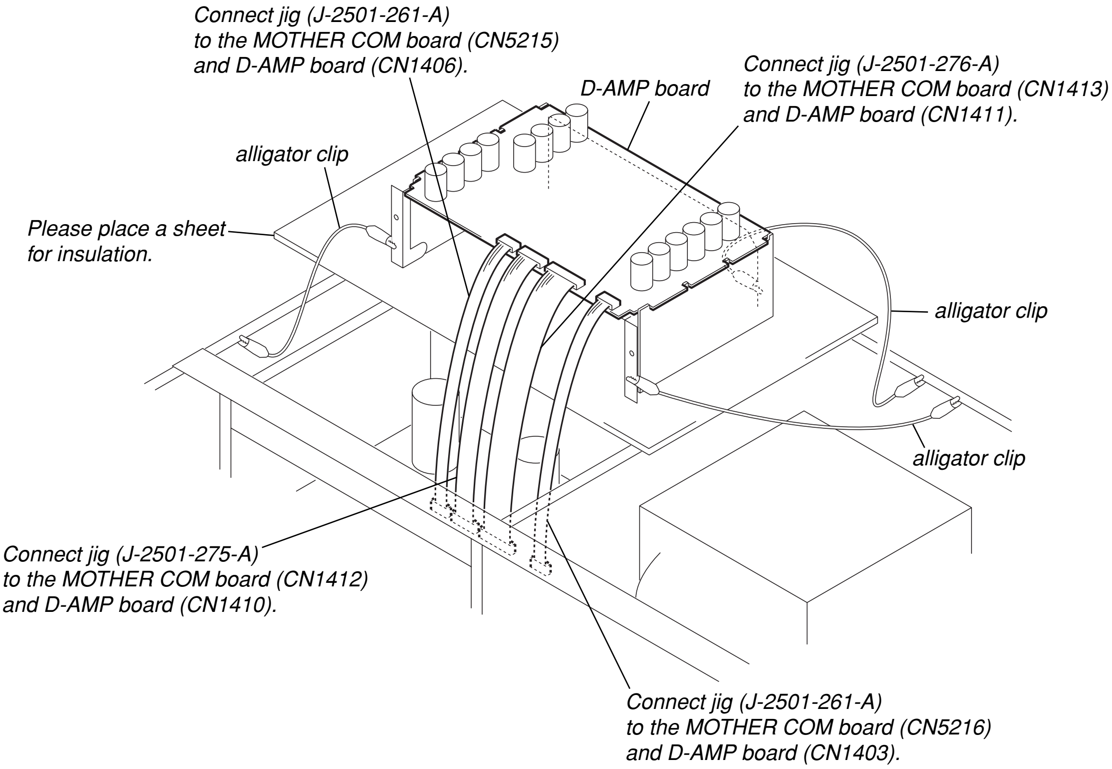
Bend of Capacitors

NOTE: Before assembling the ILINK board. bend each capacitor so that capacitors should not come in contact with the mother board.

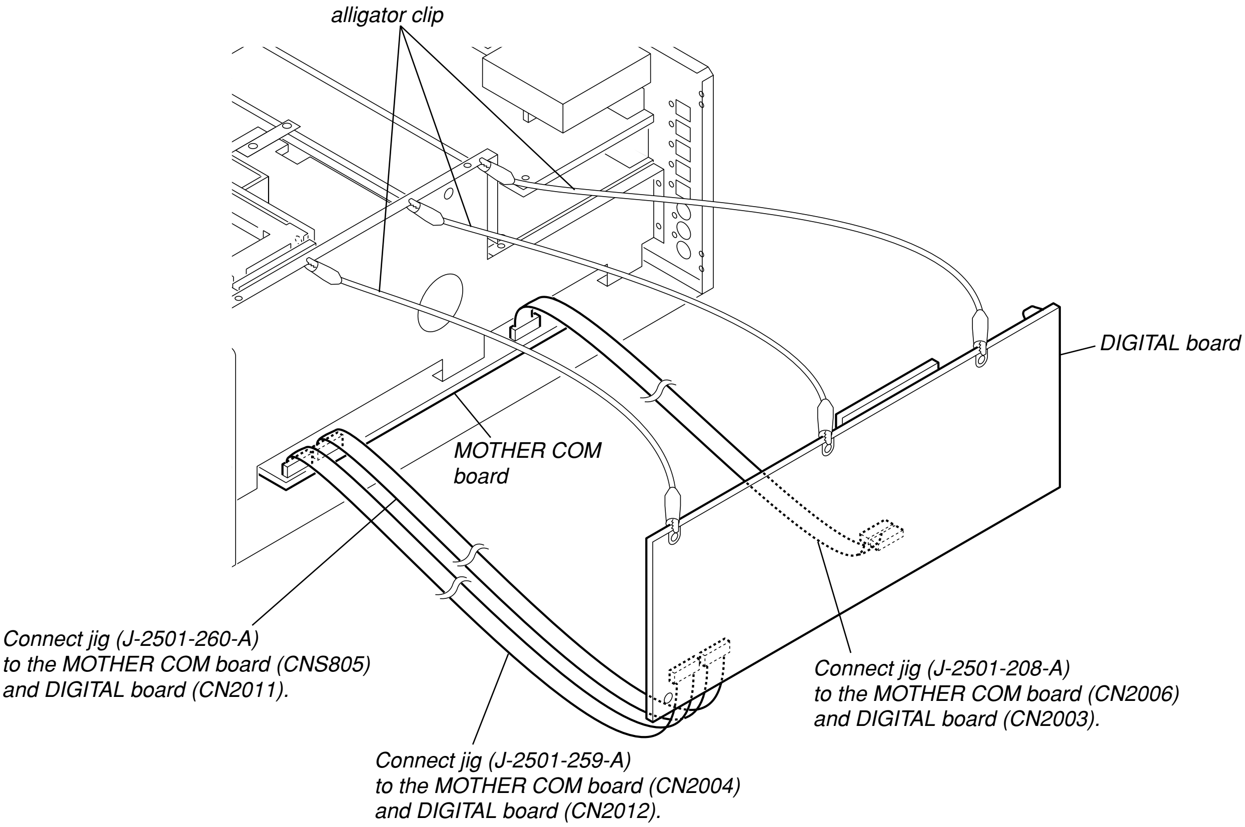


capacitor
ILINK board

SERVICE POSITION OF THE D-AMP BOARD

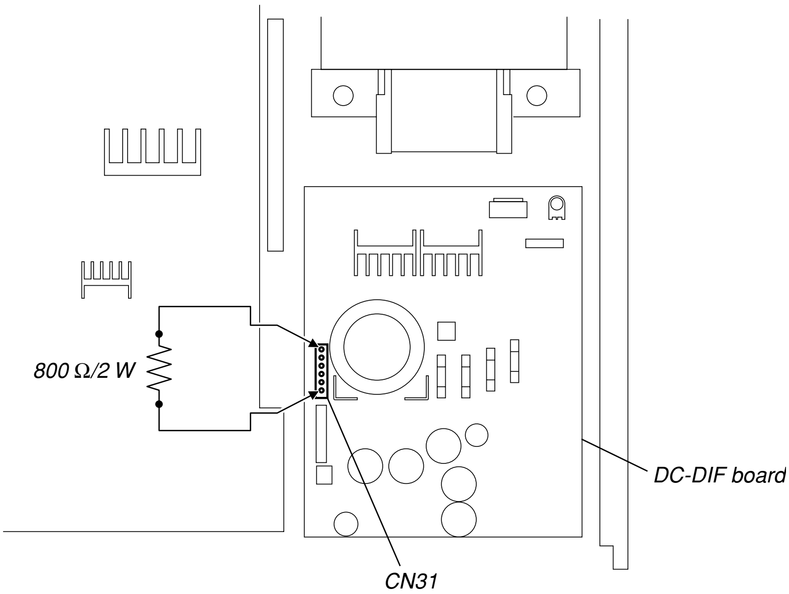

Connect jig (J-2501-261-A)
to the MOTHER COM board (CN5215)
and D-AMP board (CN1406).
D-AMP board
Connect jig (J-2501-276-A)
to the MOTHER COM board (CN1413)
and D-AMP board (CN1411).
alligator clip
Please place a sheet
for insulation.
alligator clip
alligator clip
Connect jig (J-2501-275-A)
to the MOTHER COM board (CN1412)
and D-AMP board (CN1410).
Connect jig (J-2501-261-A)
to the MOTHER COM board (CN5216)
and D-AMP board (CN1403).

SERVICE POSITION OF THE DIGITAL BOARD


alligator clip
DIGITAL board
MOTHER COM
board
Connect jig (J-2501-260-A)
to the MOTHER COM board (CNS805)
and DIGITAL board (CN2011).
Connect jig (J-2501-208-A)
to the MOTHER COM board (CN2006)
and DIGITAL board (CN2003).
Connect jig (J-2501-259-A)
to the MOTHER COM board (CN2004)
and DIGITAL board (CN2012).

Discharging the Capacitor

Short-circuit between the positive and the negative terminals of charged capacitor.

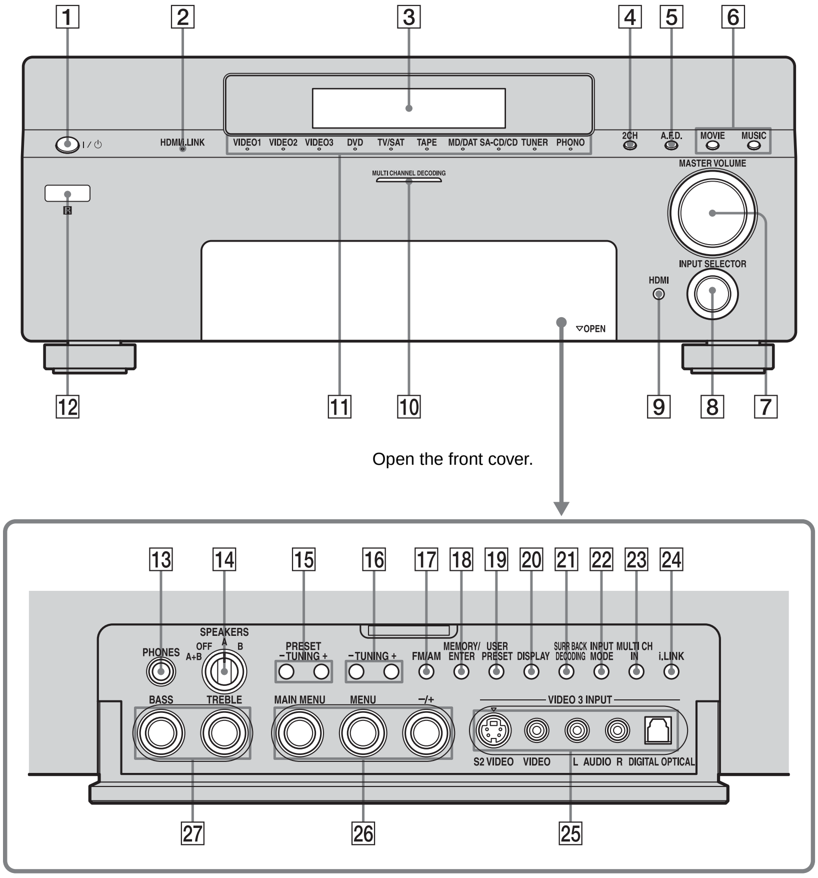

800 Ω/2 W
DC-DIF board
CN31

SECTION 2
GENERAL

This section is extracted from instruction manual.

LOCATION OF CONTROLS

Front panel


1
2
3
4
5
6
I / ⏻
HDMI/i.LINK
VIDEO1 VIDEO2 VIDEO3 DVD TV/SAT TAPE MD/DAT SA-CD/CD TUNER PHONO
2CH
A.F.D.
MOVIE
MUSIC
MASTER VOLUME
MULTI CHANNEL DECODING
INPUT SELECTOR
HDMI
OPEN
12
11
10
9
8
7
13
14
15
16
17
18
19
20
21
22
23
24
SPEAKERS
OFF A B
A+B
PHONES
PRESET −TUNING +
−TUNING +
FM/AM
MEMORY/ ENTER
USER PRESET
DISPLAY
SURR BACK DECODING
INPUT MODE
MULTI CH IN
i.LINK
BASS
TREBLE
MAIN MENU
MENU
−/+
VIDEO 3 INPUT
S2 VIDEO
VIDEO
L AUDIO R
DIGITAL OPTICAL
27
26
25

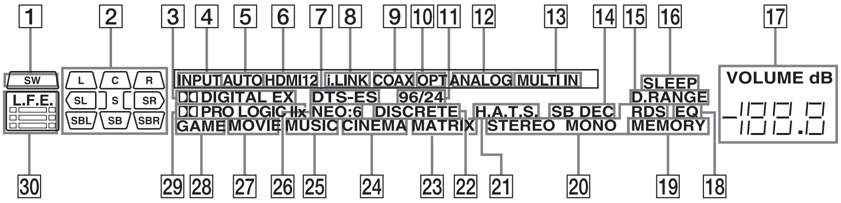
Open the front cover.

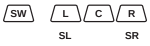
Name	Function
1 **I/⏻**	Press to turn the receiver on or off.
2 **HDMI/i.LINK lamp**	Lights up in green when HDMI, in blue when i.LINK is selected as a input source to playback.
3 **Display window**	The current status of the selected component or a list of selectable items appears here.
4 **2CH**	Press to select 2CH STEREO mode.
5 **A.F.D.**	Press to select A.F.D. mode.
6 **MOVIE, MUSIC**	Press to select sound fields (MOVIE, MUSIC).
7 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.
8 **INPUT SELECTOR**	Turn to select the input source to play back.
9 **HDMI**	Press to select input of the component connected to HDMI jack.

Name	Function
10 **MULTI CHANNEL DECODING lamp**	Lights up when multi channel audio is decoded.
11 **Input lamps**	The lamp of the input source chosen lights up.
12 **Remote receiver**	Receives signals from remote commander.
13 **PHONES jack**	Connects to a headphone.
14 **SPEAKERS switch**	Switch to OFF, A+B, A, B of the front speakers.
15 **PRESET TUNING+/–**	Press to select a preset number.
16 **TUNING+/–**	Press to scan a station.
17 **FM/AM**	Press to select “FM” or “AM”.
18 **MEMORY/ ENTER**	Press to store a station or enter the selection when selecting the settings.
19 **USER PRESET**	Press to store the adjusted sound field settings, etc.

Name	Function
20 **DISPLAY**	Press to select information displayed on the display window.
21 **SURR BACK DECODING**	Press to select the decoding mode for the surround back signals.
22 **INPUT MODE**	Press to select the input mode when the same components are connected to of both digital and analog jacks.
23 **MULTI CH IN**	Press to select the audio directly from the components connected to the MULTI CH IN jacks.
24 **i.LINK**	Press to select input of the component connected to the i.LINK jack.
25 **VIDEO 3 INPUT**	To connect a video camera or TV game.
26 **+/–, MENU, MAIN MENU**	Adjust to select and enter menu and parameter settings.
27 **TREBLE, BASS**	Adjust the tonal quality (bass, treble level) of each speaker.

About the indicators on the display

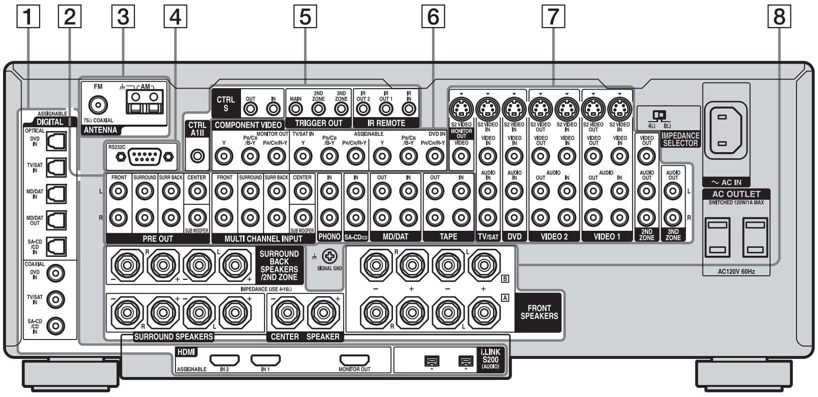


Name	Function
1 SW	Lights up when sub woofer selection is set to “YES”. While this indicator lights up, the receiver creates a sub woofer signal based on the L.F.E. signal in the disc being played back or the low frequency components of the front channels. This indicator does not light during the 2CH STEREO mode or when a 2 channel signal is input while [A.F.D. AUTO] is selected and [A.F.D. 2CH SW] in the SURR SET UP menu is set to “OFF.”
2 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings). “][” lights up when the 9.1 channel speaker system is activated.
L	Front Left
R	Front Right
C	Center (monaural)
SL	Surround Left
SR	Surround Right
S	Surround (monaural or the surround components obtained by Pro Logic processing)
SBL	Surround back left
SBR	Surround back right
SB	Surround back (the surround back components obtained by 6.1 channel decoding) **Example:** Recording format (Front/ Surround): 3/2.1 Output channel: Surround speakers absent Sound Field: A.F.D. AUTO 
3 ᗡᗞDIGITAL (EX)	Lights up when Dolby Digital signals are input. “EX” lights up when Dolby Digital Surround EX signals are decoded.
4 INPUT	Lights up constantly. One of the input indicators also lights up according to the current input.
5 AUTO	Lights up when INPUT MODE is set to “AUTO 2CH”.
6 HDMI 1 2	Lights up when a playback component or a playback component and TV monitor is connected.
7 DTS (-ES)	Lights up when DTS signals are input. “-ES” lights up when DTS-ES signals are input. When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to “ANALOG 2CH FIXED”.
8 i.LINK	Lights up when an i.LINK component is connected.
9 COAX	Lights up when INPUT MODE is set to “AUTO” and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to “COAXIAL FIXED”.
10 OPT	Lights up when INPUT MODE is set to “AUTO” and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to “OPTICAL FIXED”.
11 96/24	Lights up when the receiver is decoding DTS 96 kHz/24 bit signals.
12 ANALOG	Lights up when INPUT MODE is set to “AUTO” and no digital signal being input through the COAXIAL or OPTICAL jacks, or when INPUT MODE is set to “ANALOG 2CH FIXED”.
13 MULTI IN	Lights up when “MULTI CH IN” is selected.
14 SB DEC	Lights up when surround back sound decoding is activated.
15 D.RANGE	Lights up when dynamic range compression is activated.
16 SLEEP	Lights up when the sleep timer is activated.
17 VOLUME	Displays the current volume.
18 EQ	Lights up when the equalizer is activated.
19 MEMORY	Lights up when a memory function, such as Name Input, Preset Memory, etc., is activated.
20 Tuner indicators	Lights up when using the receiver to tune in radio stations, etc.
21 H.A.T.S.	Lights up when an H.A.T.S. signal is input from a component connected to the i.LINK jack.
22 DISCRETE	Lights up when DTS-ES Discrete decoding is activated.
23 MATRIX	Lights up when DTS-ES Matrix decoding is activated.
24 CINEMA	Lights up when DTS Neo:6 Cinema decoding is activated.
25 MUSIC	Lights up when Pro Logic II, Pro Logic IIx Music, or DTS Neo:6 Music decoding is activated.
26 NEO:6	Lights up when DTS Neo:6 Cinema/Music decoding is activated.
27 MOVIE	Lights up when Pro Logic II, or Pro Logic IIx Movie decoding is activated.
28 GAME	Lights up when Pro Logic II, or Pro Logic IIx Game decoding is activated.

Name	Function
29 DDPRO LOGIC (II/ IIx)	Lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. This indicator also lights when the Pro Logic II, or Pro Logic IIx Movie/Music decoder is activated. However, this indicator does not light if both the center and surround speakers are set to "NO"

Name	Function
30 L.F.E.	Lights up when the disc being played back contains an L.F.E. (Low Frequency Effect) channel. When the sound of the L.F.E. channel signal is actually being reproduced, the bars underneath the letters lights up to indicate the level. Since the L.F.E. signal is not recorded in all parts of the input signal the bar indication will fluctuate (and may turn off) during playback.

Rear panel


1
2
3
4
5
6
7
8
ASSIGNABLE
DIGITAL
OPTICAL
DVD IN
TV/SAT IN
MD/DAT IN
MD/DAT OUT
SA-CD /CD IN
COAXIAL
FM
AM
75Ω COAXIAL
ANTENNA
CTRL S
CTRL A1II
RS232C
COMPONENT VIDEO
TRIGGER OUT
IR REMOTE
MAIN
2ND ZONE
3RD ZONE
MONITOR OUT
PRE OUT
MULTI CHANNEL INPUT
SUBWOOFER
PHONO
SA-CD/CD
MD/DAT
TAPE
TV/SAT
DVD
VIDEO 2
VIDEO 1
2ND ZONE
3RD ZONE
IMPEDANCE SELECTOR
~ AC IN
AC OUTLET
SWITCHED 120W/1A MAX
AC120V 60Hz
SURROUND BACK SPEAKERS /2ND ZONE
SIGNAL GND
IMPEDANCE USE 4-16Ω
FRONT SPEAKERS
SURROUND SPEAKERS
CENTER SPEAKER
HDMI
ASSIGNABLE
IN 2
IN 1
MONITOR OUT
i.LINK S200 (AUDIO)

1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/ OUT jack	Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality of loud sound.
	COAXIAL IN jack	
	HDMI IN/ MONITOR OUT jack	Connects to a DVD player, or a tuner. An image and the sound are output to TV or a projector.
	i.LINK jack	Connects to Sony Super Audio CD player: SCD-XA9000ES.

2 AUDIO INPUT/OUTPUT section

W(L)/R(R)	AUDIO IN/ OUT jack	Connects to a tape deck or MD/DAT player, etc.
W/R/B	MULTI CHANNEL INPUT jack	Connects to a Super Audio CD player or DVD player which has an analog audio jack for 7.1 channel or 5.1 channel sound.
W/R/B	PRE OUT jack	Connects to an external power amplifier.

3 ANTENNA section

	FM ANTENNA	Connects to the FM wire antenna supplied with this receiver.
	AM ANTENNA	Connects to the AM loop antenna supplied with this receiver.

4 RS-232C jack

	Used for maintenance and service.

5 Control jack for Sony equipment and other external components

	CTRL A1II	Connects to a Sony CD player and amplifier, tape deck etc., which has a CONTROL A1II jack.
	CTRL S	Connects to a Sony TV and DVD player, VCR, etc., which has a CONTROL S jack.
	TRIGGER OUT	Connects to interlock ON/OFF of the power supply of other 12V TRIGGER compliant components, or the amplifier/receiver of the 2nd/3rd zone.
	IR REMOTE	Connects to an IR repeater.

6 COMPONENT VIDEO INPUT/ OUTPUT section

G/B/R	COMPONENT VIDEO INPUT/ OUTPUT jack[a]	Connects to a DVD player, TV, or a tuner. You can enjoy high quality image.

7 VIDEO/AUDIO INPUT/OUT section

W(L)/R(R)	AUDIO IN/ OUT jack	Connects the video and audio jacks of a VCR or a DVD player.
Y	VIDEO IN/ OUT jack	
	S-VIDEO IN/ OUT jack [a]	

8 SPEAKER section

– +	Connects to speakers.

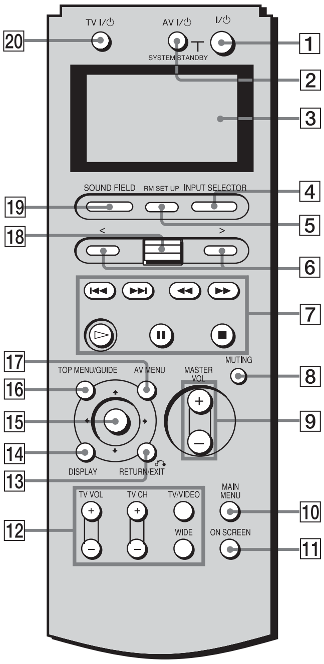
---

[a] You can watch the selected input image when you connect the MONITOR OUT jack to a TV. You can also display certain menu settings and the sound field on the monitor when you press ON SCREEN.

Remote commander

You can operate the receiver with the remote supplied with this receiver.

RM-AAE003

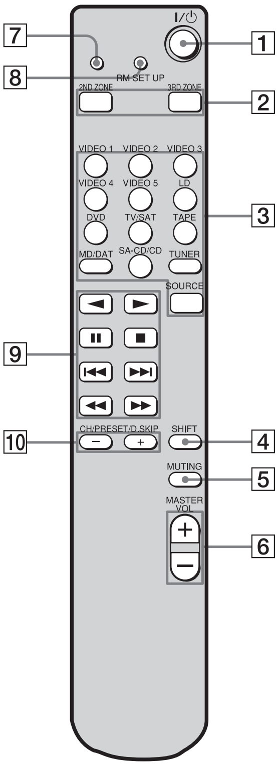


Name	Function
1 I/⏻	Press to turn the receiver on or off. If 2ND ZONE or 3rd ZONE is selected, only the main receiver is turned on or off with this button. To turn off all components including an amplifier in the 2nd zone or 3rd zone, press I/⏻ and AV I/⏻ (2) at the same time (SYSTEM STANDBY).
2 AV I/⏻	Press to turn on or off the components that the remote is programmed to operate on or off. If you press the I/⏻ switch (1) at the same time, it will turn off the main component and other Sony audio/video components (SYSTEM STANDBY). Note The function of the AV I/⏻ switch changes automatically each time you press INPUT SELECTOR (4). Depending on the component, the above operation may not be possible or may operate differently than described.
3 Display window	The current status of the selected component or a list of selectable items appears here. Note Characters other than letters of the alphabet or numbers may be displayed incorrectly on the remote, even if they appear correctly on the display window on the receiver.
4 INPUT SELECTOR	Press to display the input (component) list.
5 RM SET UP	Press to display the set up list.
6 </>	Press to change the information displayed on the display. Press the < button repeatedly to display the RECEIVER menu, press the > button repeatedly to display the SUB menu or the NUM menu.
7 ◀◀/▶▶ ■ ❚❚ ▷ ⏮/⏭**	Press to operate the tape deck or the CD player, etc.
8 MUTING	Press to mute the sound.
9 MASTER VOL +/–**	Press to adjust the volume level of all speakers at the same time.
10 MAIN MENU	Press repeatedly to select a menu (LEVEL, SPEAKER SET UP, SURR SET UP, EQUALIZER, TUNER, CUSTOMIZE, CIS) for the receiver.
11 ON SCREEN	Press to display the menus of the receiver on the TV screen.
12 TV VOL +/–, TV CH +**/–, TV/VIDEO, WIDE**	Press to operate the TV.
13 RETURN/ EXIT ↶	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
14 DISPLAY	Press to change the display of preset input components.
15 Control key	After pressing MAIN MENU (10), TOP MENU/GUIDE (16), or AV MENU (17), move the control key up, down, left or right to select the settings. When you press TOP MENU/ GUIDE or AV MENU, press this key to enter the selection.
16 TOP MENU/ GUIDE	Press to display the menu or on-screen guide of the DVD player or satellite tuner on the TV screen. Then use the control key to perform menu operations.
17 AV MENU	Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then use the control button to perform a menu operations.
18 Easy scroll key	While displaying a list, move up or down to select an item from the list, and then press to enter the selection.
19 SOUND FIELD	Press to display the sound field list.
20 TV I/⏻	Press to turn the TV on or off.

** The tactile dot is attached to these buttons (▷, TV VOL+, TV CH+, MASTER VOL+). Use as a mark of operation.

RM-US106A

This remote is only for 2ND ZONE out and 3RD ZONE out operations. You cannot control the main receiver directly with this remote.



Operating the main receiver from the 2nd (or 3rd) zone

Name	Function
1 **I/⏻**	Press to turn a receiver in the 2nd (or 3rd) zone on or off.
2 **Command mode buttons**	Press to select the command mode of the remote.

Name	Function
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments following the steps in "Changing button assignments (RM-US106A only)".

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 1)
VIDEO 3	VCR (VTR mode 2)
DVD	DVD player
TV/SAT	TV tuner
TAPE	Tape deck B
MD/DAT	MD deck
SA-CD/CD	Super Audio CD/CD player
TUNER*	Built-in tuner
SOURCE	The current input selected for the main receiver

* The setting cannot be changed.

4 **SHIFT**	When the tuner is selected, press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.
5 **MUTING**	Press to mute the sound.
6 **MASTER VOL +/–**	Press to adjust the volume level for 2ND ZONE or 3RD ZONE output.
7 **RM SET UP indicator**	Lights up when data is being sent.
8 **RM SET UP**	Press to change the category of the buttons.

Operating the components connected to the main receiver from the 2nd (or 3rd) zone

Name	Function
9 **Operation buttons***	The following table describes the function of the buttons.

Button(s)	Function
►	Starts play. (Starts play on the front side of the cassette.)
◄	Starts play on the reverse side of the cassette.
❚❚	Pauses play or recording, and starts recording when the component is in recording standby.
■	Stops play.
⏮/⏭	Skips tracks.

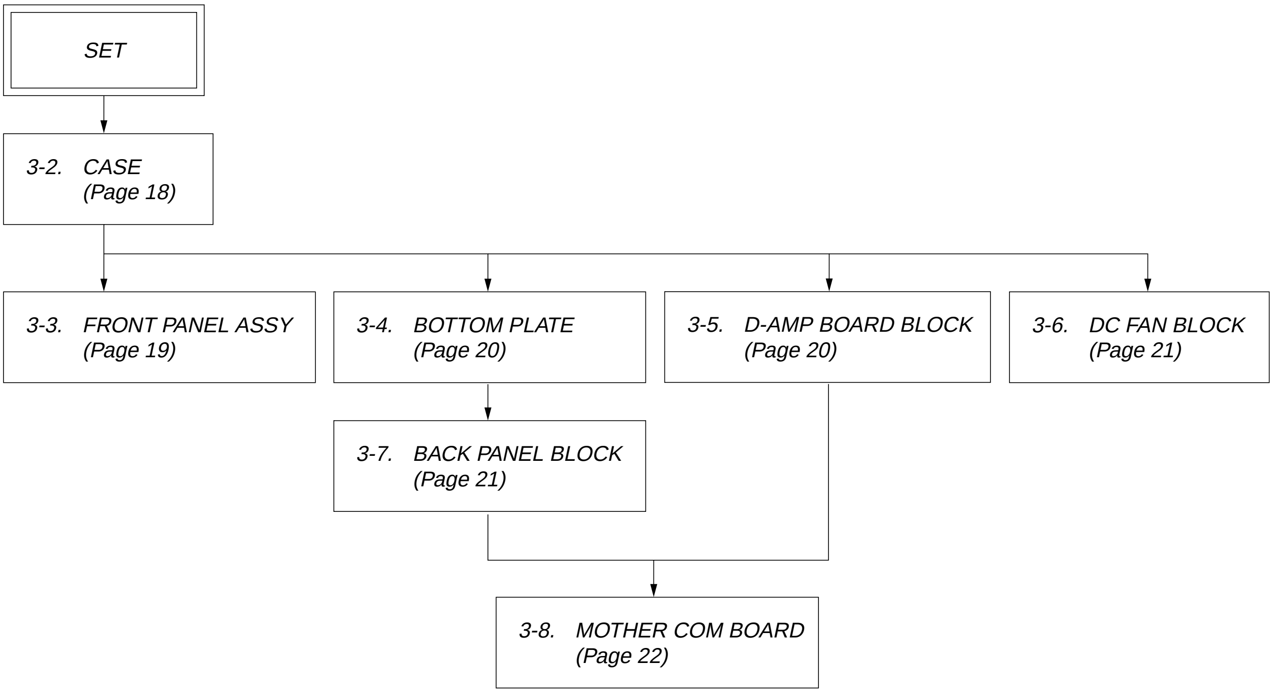
10 **CH/PRESET/D.SKIP +/–***	Press repeatedly to select a preset station or channel. When using a multi-disc changer, press to skip a disc.

* The function of these buttons switches automatically each time you press the input buttons 3. The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

SECTION 3
DISASSEMBLY

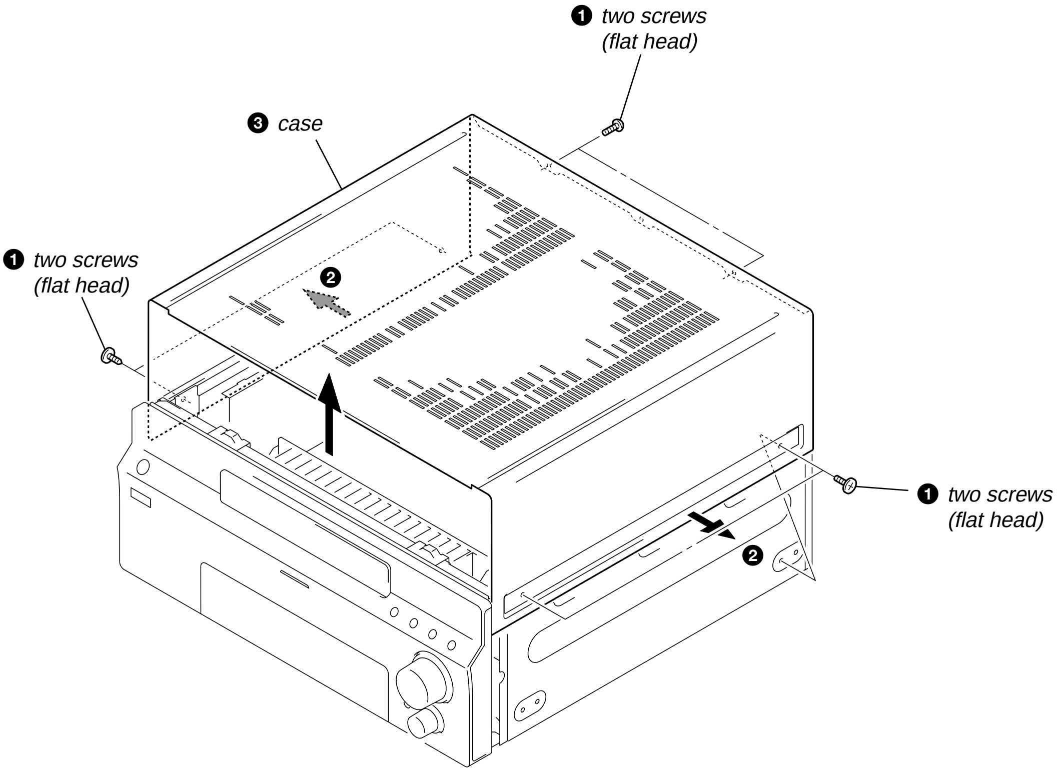
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

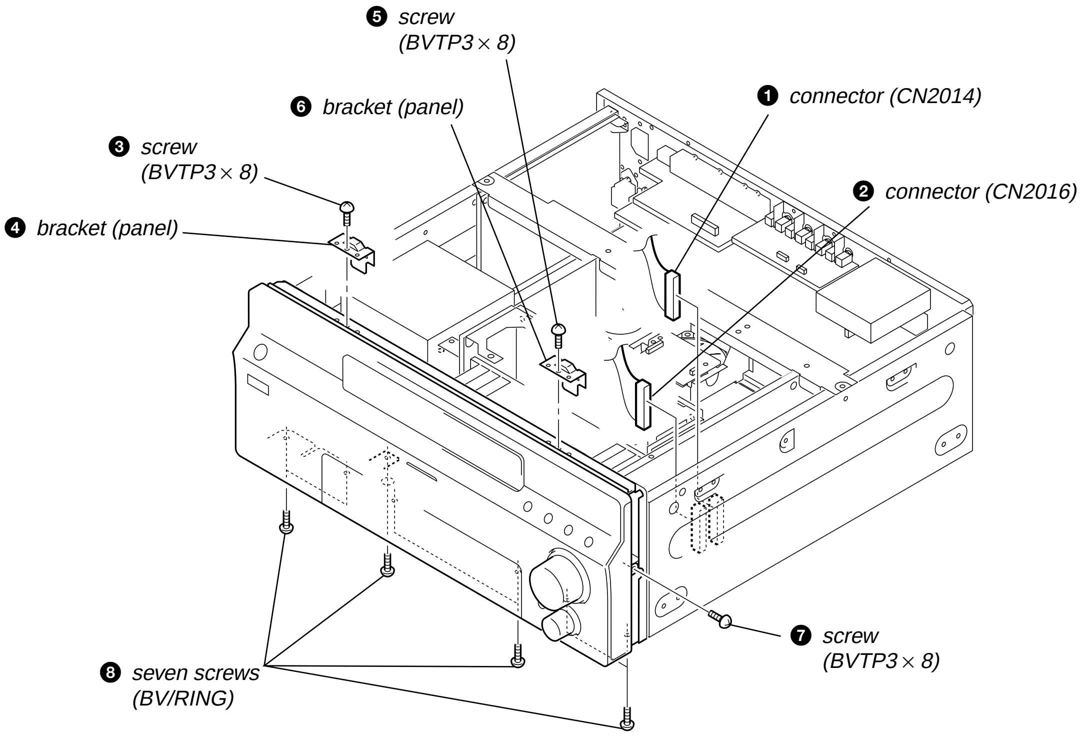

SET
3-2. CASE (Page 18)
3-3. FRONT PANEL ASSY (Page 19)
3-4. BOTTOM PLATE (Page 20)
3-5. D-AMP BOARD BLOCK (Page 20)
3-6. DC FAN BLOCK (Page 21)
3-7. BACK PANEL BLOCK (Page 21)
3-8. MOTHER COM BOARD (Page 22)

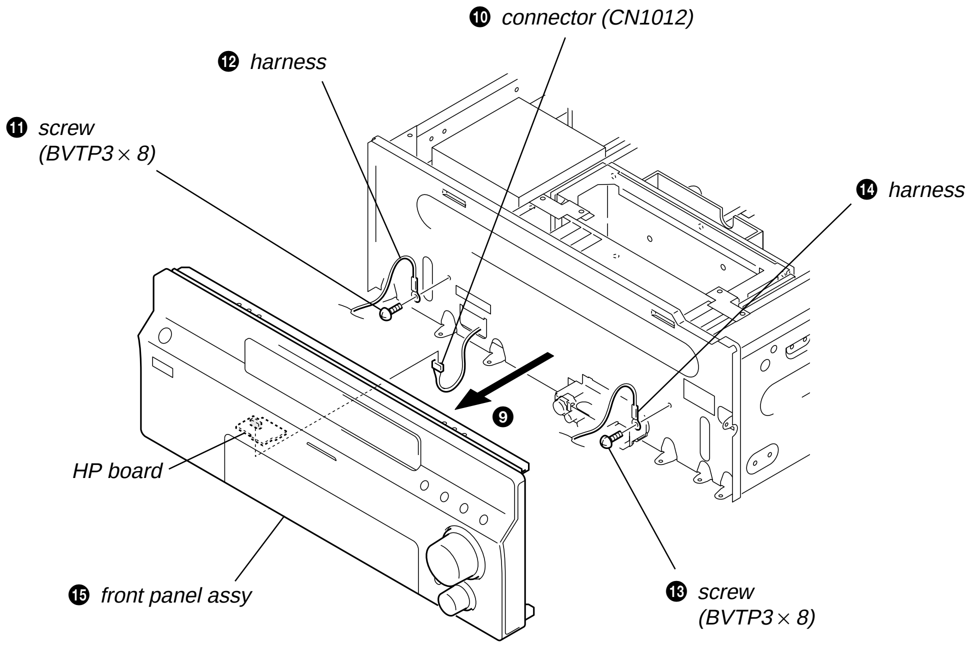
Note: Follow the disassembly procedure in the numerical order given.

3-2. CASE


❶ two screws (flat head)
❸ case
❶ two screws (flat head)
❷
❶ two screws (flat head)
❷

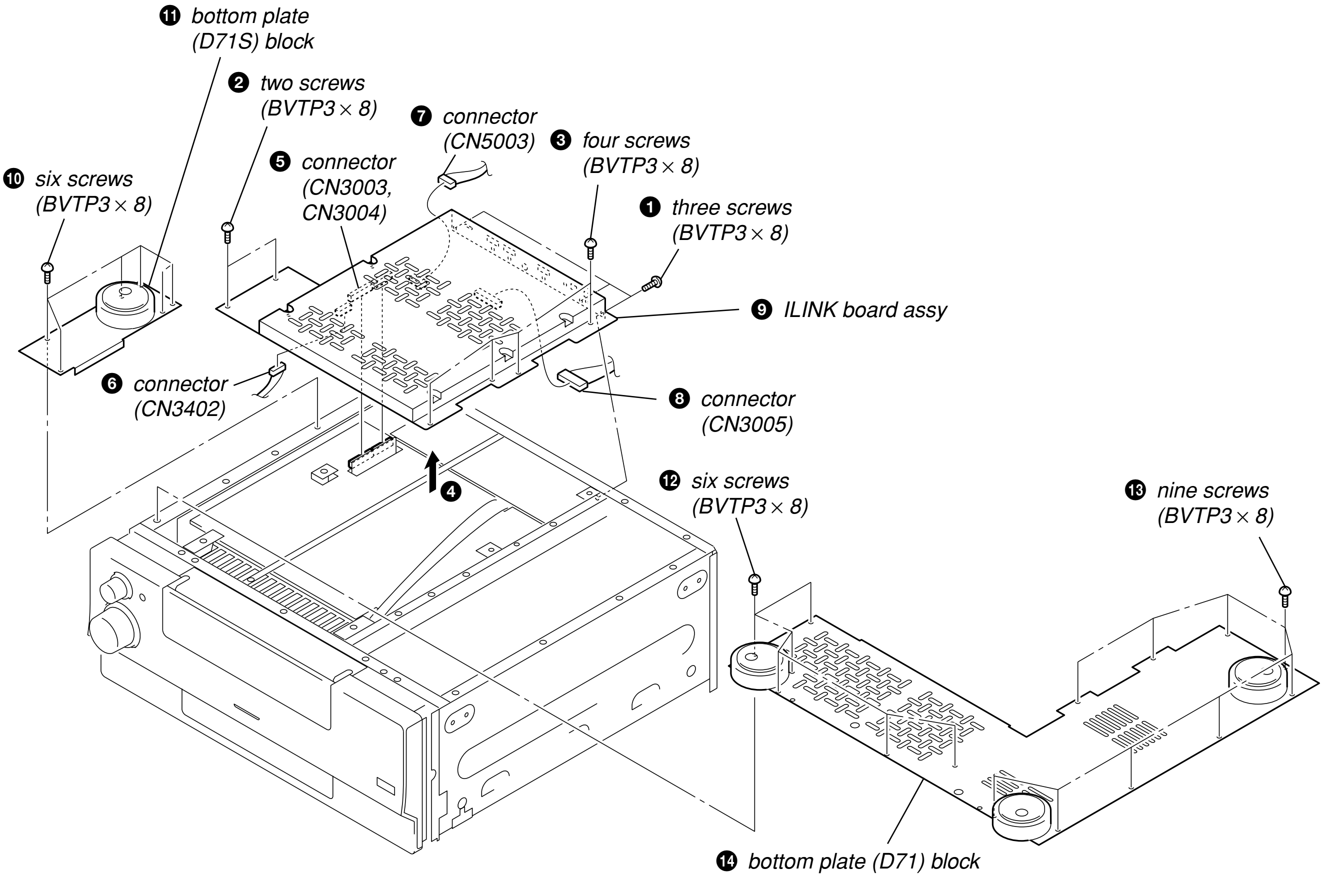
3-3. FRONT PANEL ASSY


❺ screw
(BVTP3 × 8)
❻ bracket (panel)
❶ connector (CN2014)
❸ screw
(BVTP3 × 8)
❷ connector (CN2016)
❹ bracket (panel)
❼ screw
(BVTP3 × 8)
❽ seven screws
(BV/RING)

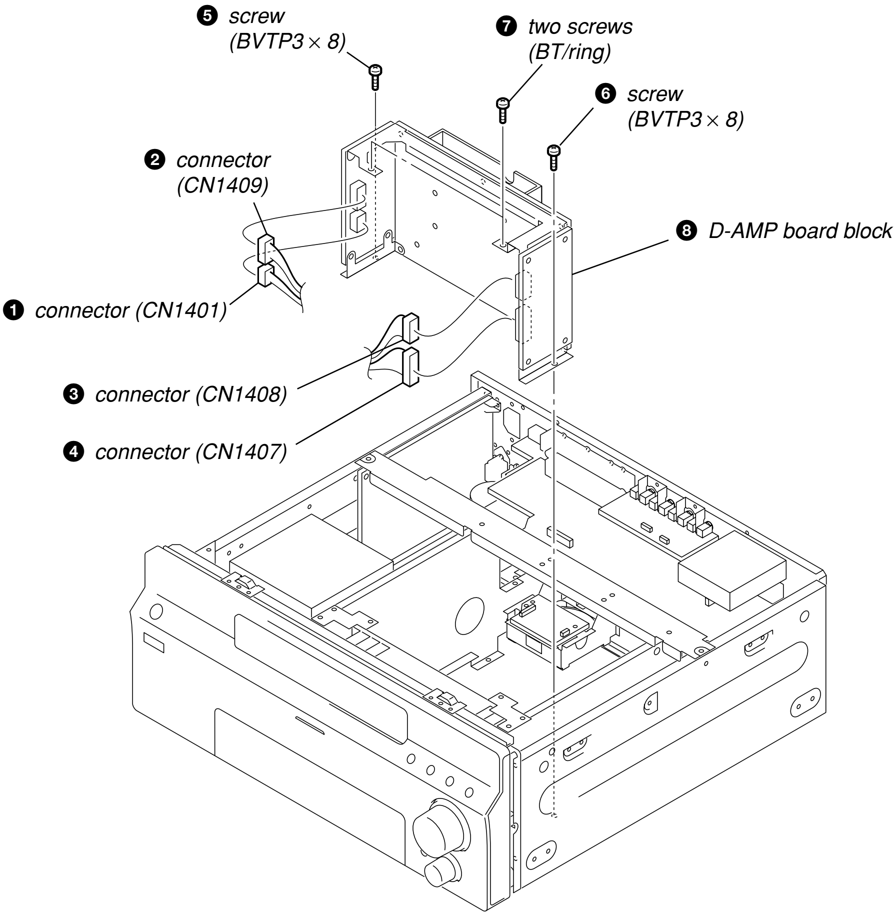

❿ connector (CN1012)
⓬ harness
⓫ screw
(BVTP3 × 8)
⓮ harness
❾
HP board
⓯ front panel assy
⓭ screw
(BVTP3 × 8)

3-4. BOTTOM PLATE

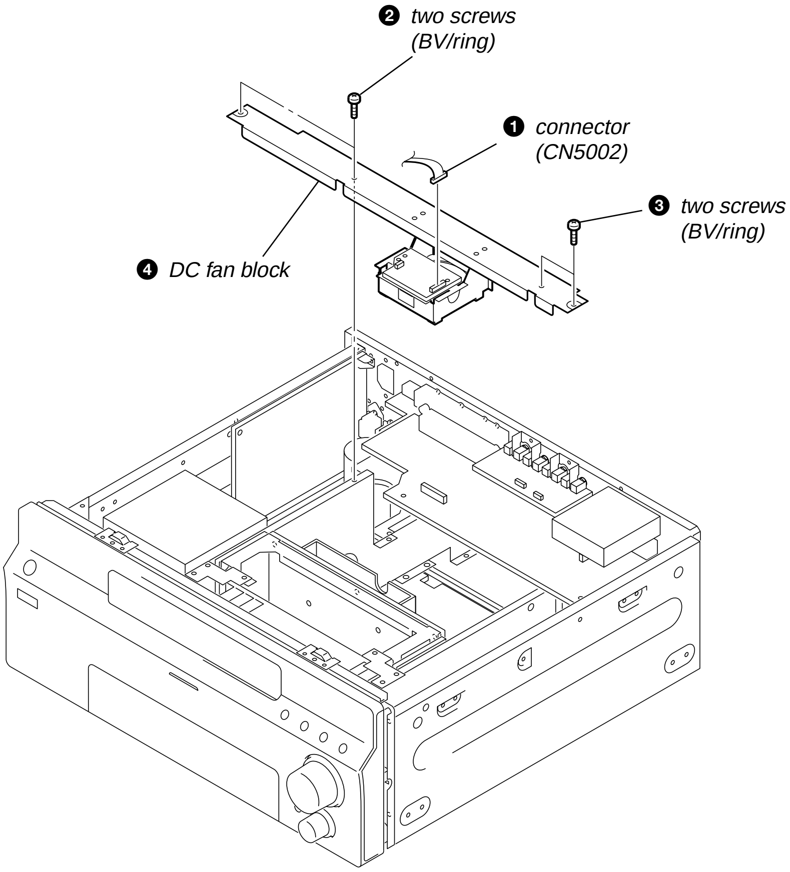
Note: When installing the ILINK board, Please refer to the service note "NOTE WHEN INSTALLING THE ILINK BOARD" (page10)


⓫ bottom plate (D71S) block
❷ two screws (BVTP3 × 8)
❼ connector (CN5003)
❸ four screws (BVTP3 × 8)
❺ connector (CN3003, CN3004)
❿ six screws (BVTP3 × 8)
❶ three screws (BVTP3 × 8)
❾ ILINK board assy
❻ connector (CN3402)
❽ connector (CN3005)
❹
⓬ six screws (BVTP3 × 8)
⓭ nine screws (BVTP3 × 8)
⓮ bottom plate (D71) block

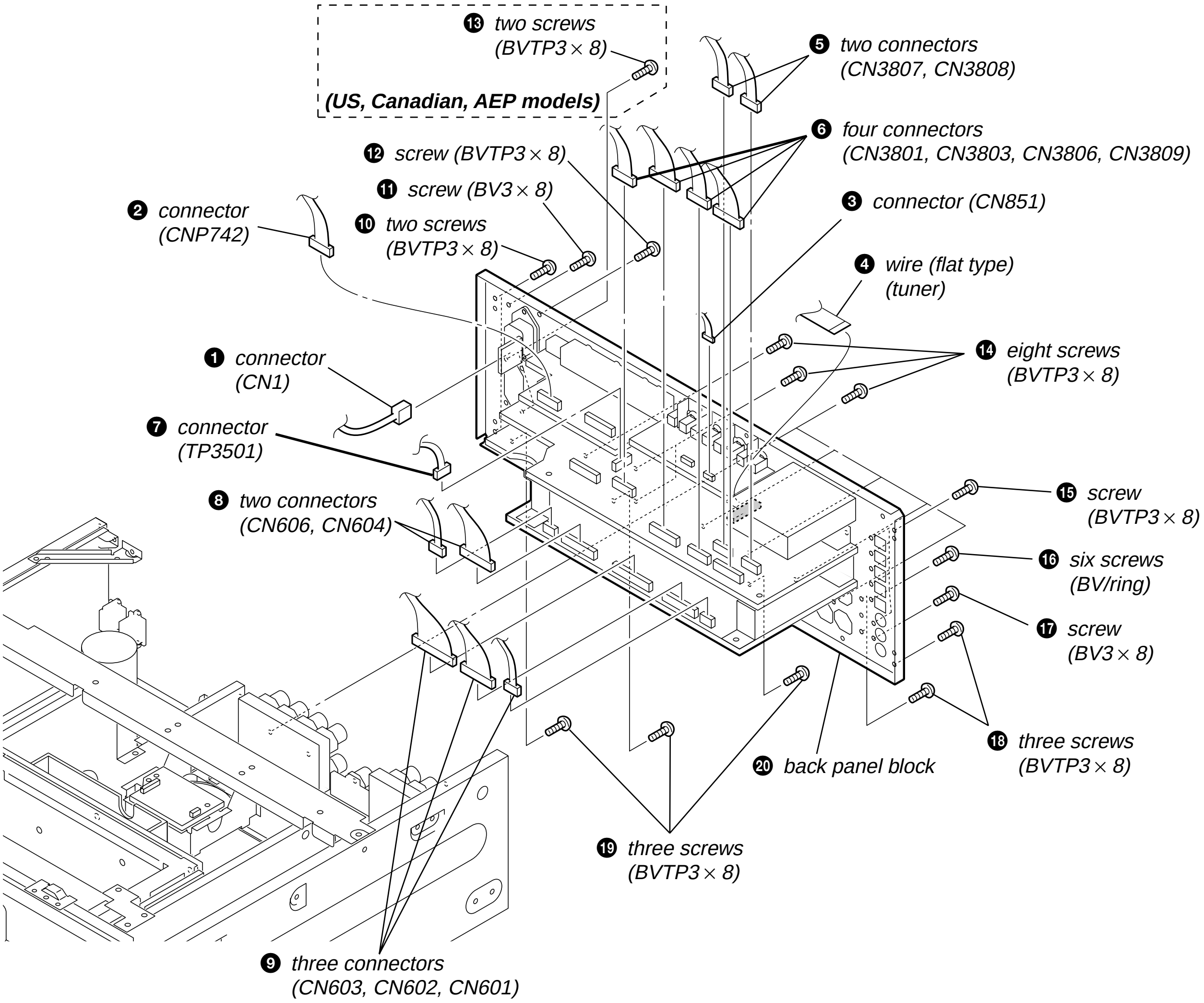
3-5. D-AMP BOARD BLOCK


❺ screw (BVTP3 × 8)
❼ two screws (BT/ring)
❻ screw (BVTP3 × 8)
❷ connector (CN1409)
❽ D-AMP board block
❶ connector (CN1401)
❸ connector (CN1408)
❹ connector (CN1407)

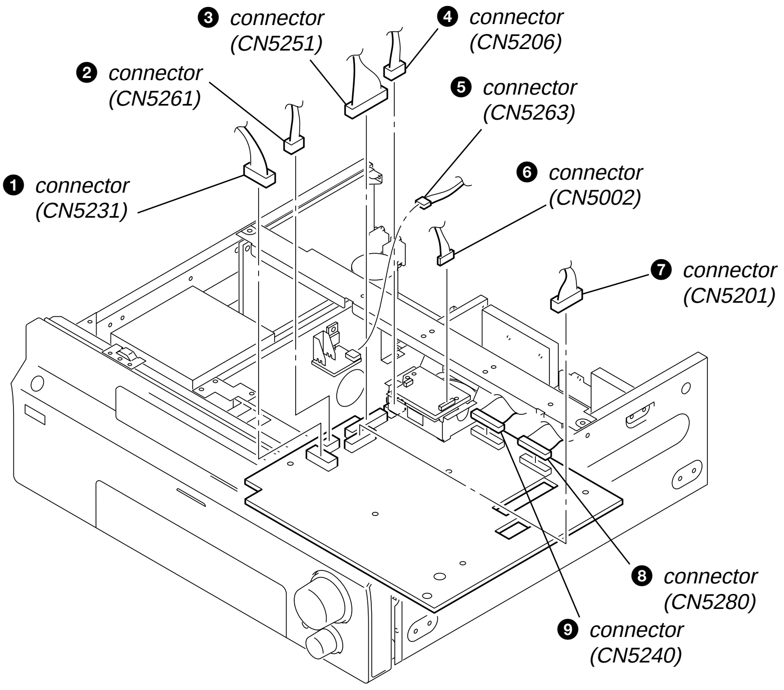
3-6. DC FAN BLOCK

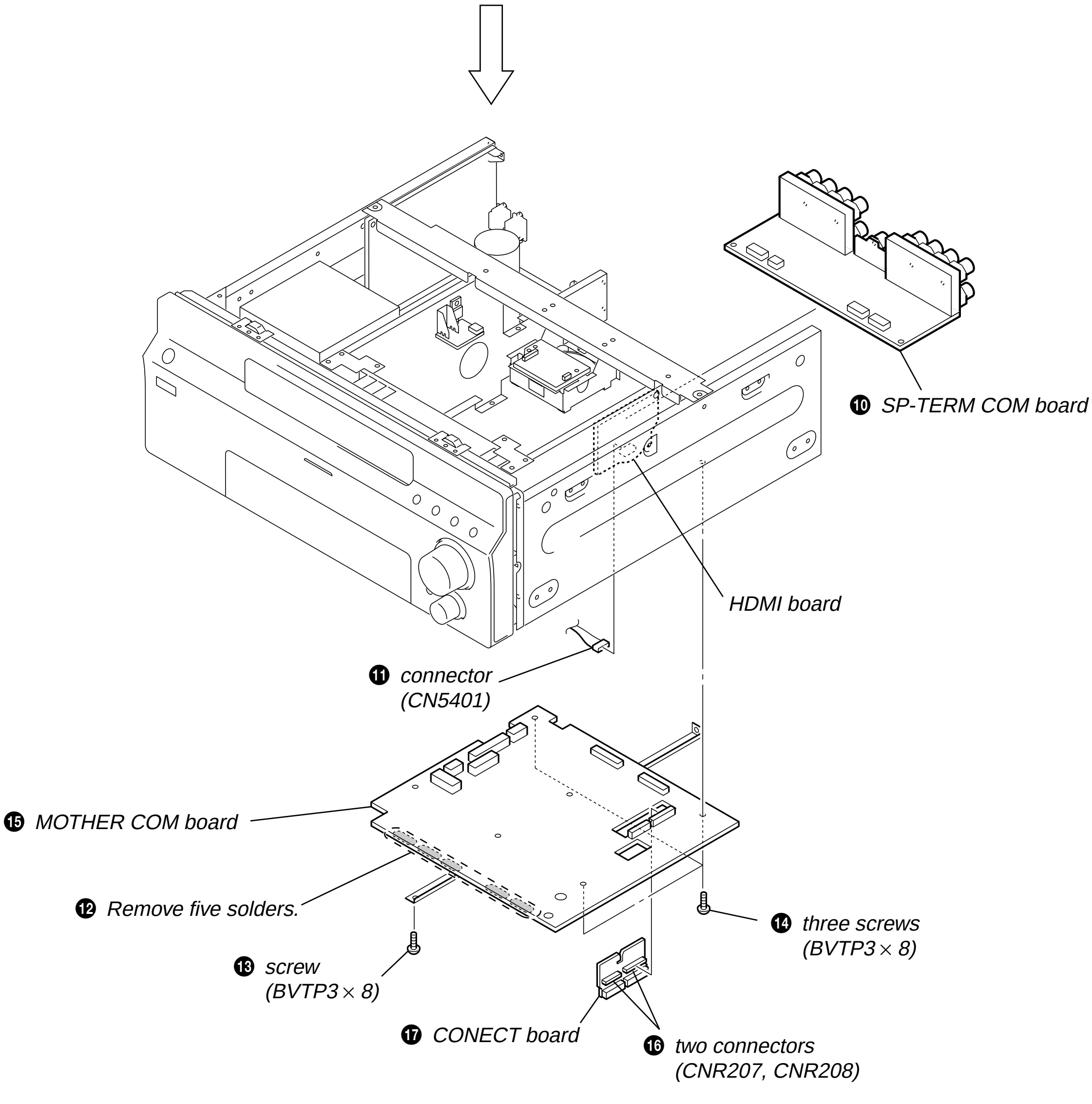

❷ two screws
(BV/ring)
❶ connector
(CN5002)
❸ two screws
(BV/ring)
❹ DC fan block

3-7. BACK PANEL BLOCK


⓭ two screws
(BVTP3 × 8)
(US, Canadian, AEP models)
❺ two connectors
(CN3807, CN3808)
❻ four connectors
(CN3801, CN3803, CN3806, CN3809)
⓬ screw (BVTP3 × 8)
⓫ screw (BV3 × 8)
❷ connector
(CNP742)
❿ two screws
(BVTP3 × 8)
❸ connector (CN851)
❹ wire (flat type)
(tuner)
❶ connector
(CN1)
⓮ eight screws
(BVTP3 × 8)
❼ connector
(TP3501)
⓯ screw
(BVTP3 × 8)
❽ two connectors
(CN606, CN604)
⓰ six screws
(BV/ring)
⓱ screw
(BV3 × 8)
⓲ three screws
(BVTP3 × 8)
⓴ back panel block
⓳ three screws
(BVTP3 × 8)
❾ three connectors
(CN603, CN602, CN601)

3-8. MOTHER COM BOARD


❶ connector
(CN5231)
❷ connector
(CN5261)
❸ connector
(CN5251)
❹ connector
(CN5206)
❺ connector
(CN5263)
❻ connector
(CN5002)
❼ connector
(CN5201)
❽ connector
(CN5280)
❾ connector
(CN5240)


❿ SP-TERM COM board
HDMI board
⓫ connector
(CN5401)
⓯ MOTHER COM board
⓬ Remove five solders.
⓭ screw
(BVTP3 × 8)
⓮ three screws
(BVTP3 × 8)
⓱ CONECT board
⓰ two connectors
(CNR207, CNR208)

SECTION 4
TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the SURR BACK DECODING and PRESET TUNING – buttons, press the I/⏻ button to turn on the main power.
2. The message “TUNER FACTORY PRESET” appears and the present contents are reset to the default values.

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the INPUT MODE and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. The message “MEMORY CLEARING...” appears and the memories are reset to the default values.
3. When done, the message “MEMORY CLEARED !” appears.

SWAP MODE

Procedure:

1. While pressing the 2CH and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. The message “SWAP MODE !” appears.
3. Press the DISPLAY button.
4. The message “–34.5” appears. (Volume level is “MID”)
5. Press the DISPLAY button once again.
6. The message “23.0” appears. (Volume level is “MAX”)
7. Press the DISPLAY button once again.
8. The message “–∞” appears. (Volume level is “MIN”)

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the DISPLAY and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. All segments and all LEDs turn on.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE (US and Canadian models)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the I/⏻ button to turn on the main power.
2. Turn the INPUT SELECTOR dial to select the “AM” .
3. Press the I/⏻ button to turn off the main power.
4. While pressing the PRESET TUNING + or TUNING + button, press the I/⏻ button to turn on the main power.
5. Either the message “AM 9K STEP” or “AM 10K STEP” appears, Select the desired step.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the MUSIC button, press the I/⏻ button to turn on the main power.
2. The message “S. F. Initialize” appears and initialization is performed.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the 2CH button, press the I/⏻ button to turn on the main power.
2. Either the message “COMMAND MODE [AV1]” or “COMMAND MODE [AV2]” appears. Select the desired mode.

SF LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the MUSIC and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. Either the message “SF LOCK [OFF]” or “SF LOCK [ON]” appears.

OPERATION CHECK OF i.LINK TERMINAL

Connect the set to a unit equipped with the i.LINK terminal to check if the communication can be made correctly. By this operation check, a loose connection of the connector or a disconnection of the i.LINK cable can be confirmed.

Procedure:

1. Press the I/⏻ button to turn on the power, and press the i.LINK button to set the function to the “i.LINK” so that the “No LINK” is displayed
2. Turn on the power of the unit equipped with the i.LINK terminal.
3. Connect the set to the unit equipped with the i.LINK terminal using the i.LINK calbe.
   At this time, check that “i.LINK CONNECTING”, is displayed on the set.
4. After the display of “i.LINK CONNECTING”, check that the equipment information is displayed
5. Moving the i.LINK cable with the i.LINK connection maintained, check that the “i.LINK CONNECTING” is not displayed.

If nothing is displayed in step 3 and 4, or if “i.LINK CONNECTING” is displayed continuously, the i.LINK cable will be disconnected or the connector connection will be loose.
If “i.LINK CONNECTING” is displayed in step 5 though the cable is not removed, the i.LINK cable will be disconnected or the connector connection will be loose.

HISTORY MODE

The state that the set is used is memorized.

Procedure:

1. While pressing the A.F.D and MEMORY/ENTER buttons, press the I/⏻ button to turn on the power and "HISTORY MODE" is displayed.
2. Press the MAIN MENU key of remote commander.
3. Each time the ↑ ↓ key of remote commander is pressed, the item is switched in order as follows.

Note: The parameter is memorized when "PROTECTOR 21" is generated, and it doesn't update the parameter thereafter when other protector is generated, the parameter when data is updated every time, and protector was generated at the end is memorized.

Items	Display
Detected protect code/channel	PRCT NO/CH: XX/XX
Number of protector is generated	PRCT COUNT: XXX
Total use time	TTL_TIME: XXXXH XXM
Sound field setting	XXXXXXXXXXXXXXXX
Input when protect is detected	INPUT: XXXXXXXXXX
Input mode setting	INMODE: XXXXXXXXXXXX
Input mode under lick state	DSEL: XXXXXXXXXXXXXXX
Stream under input	STREAM: XXXXXXX
Channel information	CONFIG:XXXXXXX
State of headphone	HEAD PHONE: XXX
Volume	VOL: XXXdB
EQ setting value	BASS: XXXdB
	TREB: XXXdB
Level collection value each channel	Lv FL/FR XXXX/XXXX
	Lv SL/SR XXXX/XXXX
	Lv CT/SW XXXX/XXXX
	Lv BL/BR XXXX/XXXX
Total time of power on	TTL_P_ON: XXXXH XXM

SPECIAL MENU MODE

Procedure:

1. Press the I/⏻ button to turn on the main power, then while pressing the MEMORY/ENTER button, press the MUSIC, INPUT MODE, MOVIE button in order.
2. The message "MENU SPECIALIZED!" appears.
3. Each time the MENU dial is turned clockwise, the item is switched in order as follows.
4. To release from this mode, while pressing the MEMORY/ENTER button, press the MUSIC, INPUT MODE, MOVIE button in order again.
5. The message "MENU SPECIALIZED OFF" appears.

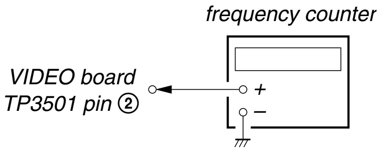
Items	Display	Remark
Protector on/off	SPECIAL PROTECTOR ON/OFF [XXX]	XXX: ON or OFF (switching with –/+ dial)
Model version display	SPECIAL ##### *** vX. XX @@@@	#####: model ***: destination X.XX: main system controller software version @@@@: Sum value of flash memory in the main system controller
Model/destination change	SPECIAL MODEL [##### * * * *] X X	#####: model, ****: destination, XX: at or fx (switching with –/+ dial)
HDMI controller version display	SPECIAL HDMI Micom Ver X. XX	X.XX: HDMI controller software version
HDMI controller update mode	SPECIAL HDMIUcom Update [XXX]	XXX:ON or OFF (switching with -/+ dial) Reset control form the main system controller side and the reset control from the PC side interfere mutually when updating the HDMI controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the main system controller side is not done
Sub system controller version display	SPECIAL Sub Micom Ver. X.XX	X.XX: Sub system controller software version
Fan control	SPECIAL FAN CTL ON/OFF [XXX]	XXX: ON or OFF (switching with –/+ dail) Fan control on/off is switched.
Sub system controller retry counter	SPECIAL Sub Micom RtryCntXXX	XXX: Communication retry count from main system controller side to sub system controller side
Sub system controller status	SPECIAL Sub Micom Stat: XXXXX ↓ (switching with –/+ dial) SPECIAL Scom Busy Tx/Rx: XXX ↓ (switching with –/+ dial) SPECIAL Scom Index: XXXXXXXXX	XXXXX: Status in main system controller when communicating with sub system controller side from main system controller side XXX: Busy counter of Tx/Rx XXXXXXXXX: Last command forwarded to sub system controller
Sub system controller update mode	SPECIAL SubUcom UpDate [XXX]	XXX: ON or OFF (switching with –/+ dial) Reset control from the main system controller side and the reset control from the PC side interfere mutually when updating the sub system controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the main system controller side is not done
Sub system controller current detect level setting (8Ω)	SPECIAL 8ohm OverCR Th [XXX]	XXXX: Over current level when speaker impedance is 8Ω (switching with –/+ dial)
FL display fonts test	SPECIAL FL FONT 0x ** = [X]	**: 20 to FE, X: character (switching with –/+ dial)
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap	SPECIAL SWAP [XXXXXXXXXXX]	Switching with –/+ dial
DSP halt	SPECIAL DSP HALT [XXX]	XXX: ON or OFF (switching with –/+ dial) Mode not to send DSP host code, and to make only decipherment done

Items	Display	Remark
DSP RAM	DSP RAM [*****]=XXXXXXXX	The umbers which can be changed wick blinks To select the digit: Press the TUNING + or TUNING - button To select the number when the umbers (***** or XXXX) blinks: Rotate the –/+ dial To perform the write when the umbers (XXXX) blinks: Press the MEMORY/ENTER button *****: instruction RAM address XXXXXXXX: instruction RAM address Note: When parenthesis is the position of instruction RAM address data, up/down of the menu item by the MENU dial are invalid
Bass management	SPECIAL BASS MAN [****] XX	****: AUTO or OFF, XX: 02 to 29 (switching with –/+ dial)
DSP Version display	SPECIAL DSP Ver S: ***, P: XXX	***: DSP decoder patch version XXX: DSP post process version
Volume value display (FL/FR)	SPECIAL FL**** FR XXXX	****: Front L-ch volume value XXXX: Front R-ch volume value
Volume value display (SL/SR)	SPECIAL SL**** SR XXXX	****: Surround L-ch volume value XXXX: Surround R-ch volume value
Volume value display (CT/SW)	SPECIAL CT**** SW XXXX	****: Center volume value XXXX: Sub woofer R-ch volume value
Volume value display (SBL/SBR)	SPECIAL SBL**** SBR XXXX	****: Surround back L-ch volume value XXXX: Surround back R-ch volume value
EERROM debug	SPECIAL EEPROM [****] FR XX	****: EEPROM address XX: EEPROM data (switching with –/+ dial)
Super reset	SPECIAL SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “all clear mode”
2nd volume value display	SPECIAL 2nd VOLUME XXX	XXX: 2nd room volume value (00 to ∞)
3rd volume value display	SPECIAL 3nd VOLUME XXX	XX: 3rd room volume value (00 to ∞)
FL display duty change	SPECIAL DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with –/+ dial)
SDRAM check	SPECIAL SDRAM CHECK [XXXXX]	Check the operation of SD RAM for lip sync adjust XXXXX: PASS (OK) or ERROR (NG)
i.LINK 232C update	SPECIAL i.LINK 232C Update?	The flash memory is updated by way of 232C When the update is executed, the MEMORY/ENTER is pressed
i.LINK1394C update	SPECIAL i.LINK 1394C Update?	The flash memory is updated by way of 1394 When the update is executed, the MEMORY/ENTER is pressed
Model A AC write	SPECIAL MODEL/AAC WRITE [XXX]	XX: YES or NO The destination is discriminated, and model name and AAC correspondence/non-correspondance are written in i.LINK system controller
i.LINK test mode	SPECIAL i.LINK TEST MODE IN?	Status of the i.LINK system controller is displayed Enter the test mode when the MEMORY/ENTER is pressed
YUV Y drive	SPECIAL YUV Y DRIVE [XX]	XX: Gain control value of brighness (00 to 1F) (switching with –/+ dial)
YUV U drive	SPECIAL YUV U DRIVE [XX]	XX: Gain control value of color difference (Cb) (00 to 1F) (switching with –/+ dial)
YUV V drive	SPECIAL YUV V DRIVE [XX]	XX: Gain control value of color difference (Cr) (00 to 1F) (switching with –/+ dial)

SECTION 5
ELECTRICAL ADJUSTMENTS

OSD ADJUSTMENT

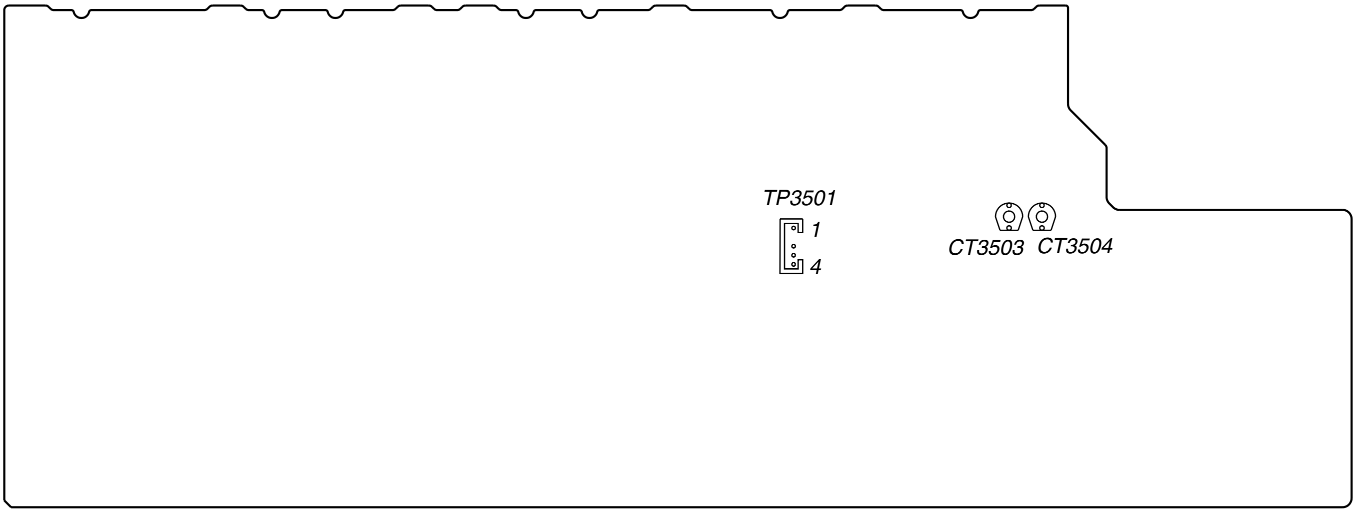
Connection



1. Connect a frequency counter to the TP3501 pin ② on the VIDEO board.
2. Press the I/⏻ button to turn on the main power.
3. Perform the MEMORY CREARING MODE.
4. Press the ON SCREEN button on the remote commander to display “ON SCREEN [ON]”.
5. Turn the MAIN MENU dial to display “CUSTOMIZE”.
6. Turn the MENU dial to display “COLOR SYSTEM”.
7. Turn the –/+ dial to select NTSC.
8. Adjust the CT3503 so that the frequency counter reading is 3.579545 MHz.
9. Turn the –/+ dial to select PAL.
10. Adjust the CT3504 so that the frequency counter reading is 4.433618 MHz.

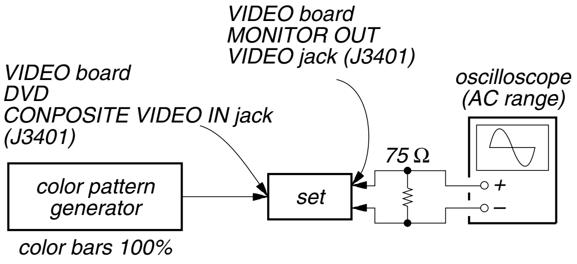
Adjustment and Connection Location:

– VIDEO Board (Component Side) –



CONPOSITE VIDEO OUT LEVEL ADJUSTMENT

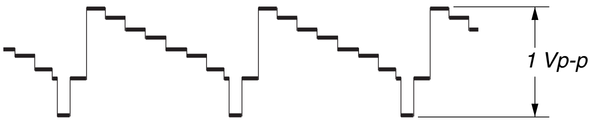
Setting:


VIDEO board
MONITOR OUT
VIDEO jack (J3401)
VIDEO board
DVD
CONPOSITE VIDEO IN jack
(J3401)
oscilloscope
(AC range)
75 Ω
color pattern generator
set
+
–
color bars 100%

Procedure:

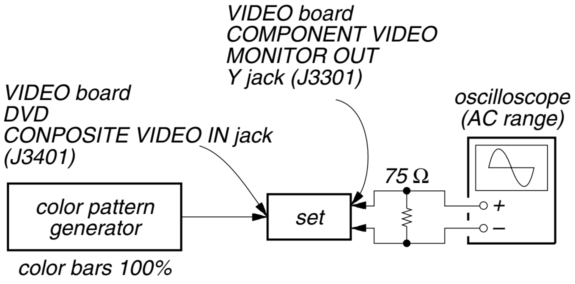
1. Connect a color pattern generator to the DVD CONPOSITE VIDEO IN jack (J3401) on the VIDEO board, and connect an oscilloscope to the MONITOR OUT VIDEO jack (J3401) on the VIDEO board.
2. Input color bars signal from the color pattern generator.
3. Adjust the RV3502 on the ILINK board so that the Vp-p value of waveform becomes 1Vp-p ± 2%.

Waveform:



COMPONENT VIDEO OUT LEVEL ADJUSTMETN

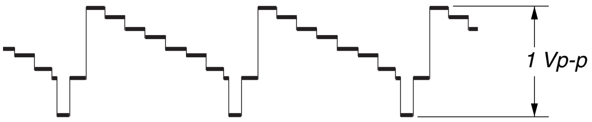
Setting:


VIDEO board
COMPONENT VIDEO
MONITOR OUT
Y jack (J3301)
VIDEO board
DVD
CONPOSITE VIDEO IN jack
(J3401)
oscilloscope
(AC range)
75 Ω
color pattern generator
set
+
–
color bars 100%

Procedure:

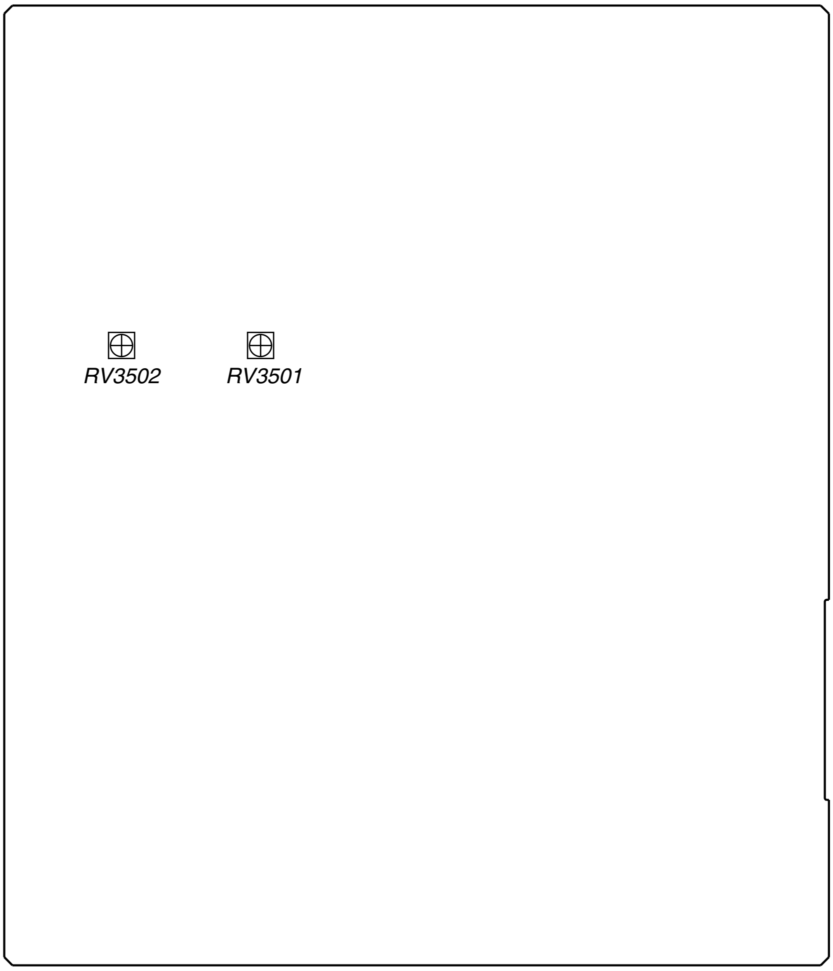
1. Connect a color pattern generator to the DVD CONPOSITE VIDEO in jack (J3401) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT IDEO MONITOR OUT Y jack (J3301) on the VIDEO board.
2. Input color bars signal from the color pattern generator.
3. Adjust the RV3501 on the ILINK board so that the Vp-p value of waveform becomes 1Vp-p ± 2%.

Waveform:



Adjustment Location:

– ILINK Board (Component Side) –


RV3502
RV3501

SECTION 6
DIAGRAMS

• Note for Printed Wiring Boards and Schematic Diagrams

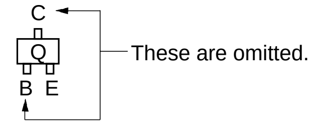
Note on Printed Wiring Board:

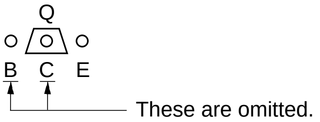
- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- 🟩 : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor





- DIGITAL, DSP, ILINK, D-AMP, FILTER-L and FITER-R boards are multi-layer printed board.
  However, the patterns of intermediate layers have not been included in this diagrams.

Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^{1}/_{4}$ W or less unless otherwise specified.
- △ : internal component.
- : fusible resistor.
- : nonflammable resistor.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

- ▬▬ : B+ Line.
- ‒ ‒ ‒ : B– Line.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  (When measuring circuit that used “VIRTUAL GND” of the VIDEO, S-VIDEO, MOTHER COM, D-AMP, FILTER-L, FILTER-R, SP-TERM COM, HDMI POWER, FAN, 12V and DC boards, ground it from CN3804 pin ② on the MOTHER COM board.)
  – VIDEO, S-VIDEO, HDMI POWER boards –
  no mark : VIDEO 1 mode
  – Other boards –
  no mark : TUNER
  (   ) : VIDEO 1 mode
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO (ANALOG)
  ➾ : AUDIO (DIGITAL)
  ⊐ : VIDEO
- Abbreviation

CH	: Chinese model
CND	: Canadian model
KR	: Korean model
TW	: Taiwan model

- **IC Pin Function Description**

MOTHER COM BOARD IC1800 MB89537APFM-G-694E1 (SUB SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	I- LIMIT	I	Current detection signal input from the protect circuit
2	MOD2	I	Not used
3	TEMP	I	Thermistor connection terminal for abnormal temperature detection (A/D input)
4 to 9	CUR1 to CUR6	I	Current detection terminal for speaker output section (A/D input)
10	DIAG (TEMP)	I	Abnormal temperture detection terminal for the power amplifier (A/D input)
11	AVCC	-	Power supply terminal (+3.3V) (for analog system)
12	AVR	I	Reference voltage (+3.3V) input terminal
13	AVSS	-	Ground terminal (for analog system)
14	U-MAIN	I	Clock signal input from main system controller
15	AC-OFF	I	AC off detection signal input terminal “L”: AC off
16	PWM-MODE	-	Not used
17	FRQ	I	Frequency detection terminal (1 kHz detection)
18	DC2	I	Voltage detection terminal for speaker output section
19	RST	I	Reset signal input from the main system controller “L”: reset
20, 21	MOD0, MOD1	I	Setting terminal for memory access mode Normally: fixed at “L”
22	X0	I	System clock input terminal (12.5 MHz)
23	X1	O	System clock output terminal (12.5 MHz)
24	VSS	-	Ground terminal
25	VOL-CLK	O	Serial data transfer clock signal output to the power amplifier power supply control D/A converter
26	VOL-DATA	O	Serial data output to the power amplifier power supply control D/A converter
27	VOL-LAT	O	Serial data latch pulse signal output to the power amplifier power supply control D/A converter
28	DAC-MUTE	O	Muting on/off control signal output terminal
29, 30	(P23), (P22)	-	Not used
31	4/8SW	I	IMPEDANCE SELECTOR switch input terminal
32	SUR_A PS_SP	O	Relay drive signal output terminal
33	NC	-	Not used
34	4/8OUT	I	Relay drive signal (for speaker impedance 4Ω/8Ω selection) output terminal
35	NO-USE	I	Not used
36	EN	O	Enable/Disable control signal output terminal
37	DC3	I	Voltage detection terminal for speaker output section
38	INIT	O	Initialize signal output to the PCM/PWM processor
39	DC4	I	Voltage detection terminal for speaker output section
40	(P10)	-	Not used
41	SOFT-MUTE	O	Muting on/off control signal output terminal
42	U-SUB1	I	Serial data input from main system controller
43	LAT4	O	Serial data latch pulse signal (for surround back) output to the PCM/PWM processor
44	LAT3	O	Serial data latch pulse signal (for surround) output to the PCM/PWM processor
45	LAT2	O	Serial data latch pulse signal (for center) output to the PCM/PWM processor
46	LAT1	O	Serial data latch pulse signal (for front) output to the PCM/PWM processor
47	FRONT (A) RY	O	Relay drive signal output terminal
48	FRONT (B) RY	O	Relay drive signal output terminal
49	NC	-	Not used
50	DC5	I	Voltage detection terminal for speaker output section
51	SHIFT	O	Serial data transfer clock signal output to the PCM/PWM processor
52	SCDT	O	Serial data output to the PCM/PWM processor
53	DC6	I	Voltage detection terminal for speaker output section

Pin No.	Pin Name	I/O	Description
54	DC7	I	Voltage detection terminal for speaker output section
55	SP_BACK	O	Relay drive signal (for surround back speaker) output terminal
56	VCC	-	Power supply terminal (+3.3V)
57	SOFT-MUT (SB)	O	Muting on/off control signal output terminal
58	MUTE	I	Muting on/off control signal input terminal
59	U-USB2	O	Serial data output to main system controller
60 to 62	NC	-	Not used
63	DC1	I	Voltage detection terminal for speaker output section
64	CENTER SP	O	Relay drive signal output terminal

DSP BOARD IC2 ADSP21266SKSTZ-2C (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2	CLKCFG0	-	Not used
3	CLKCFG1	-	Not used
4	BOOTCFG0	-	Not used
5	BOOTCFG1	-	Not used
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	INT_REQ	O	Interrupt status output to the main system controller
16	DIR_ERR	O	PLL lock error signal and data error flag output to the main system controller
17	AD7	I/O	Two-way data bus and address signal output with S-RAM
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM
35	XWR	O	Data write enable signal output terminal “L” active
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output terminal
40	ALE	O	Address latch enable signal output terminal
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM
53	A16	O	Address signal output to S-RAM
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Description
61	GND	-	Ground terminal
62	PF_CE	-	Not used
63	SPI_MAS	O	Master/slave selection signal output terminal “H”: DSP is master
64	DPSOA	O	PCM audio signal (front) output terminal
65	DPSOB	O	PCM audio signal (surround) output terminal
66	VDDINT	-	Power supply terminal (+1.2V)
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output terminal
71	DPSOD	O	PCM audio signal (surround back) output terminal
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	-	Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal (front) input terminal
80	DPSIC	I	PCM audio signal (surround) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLRCK	O	L/R sampling clock signal (44.1 kHz) output for PCM audio output
87	DPDVBCK	O	Bit clock signal (2.8224 MHz) output for PCM audio output
88	DPLRCK	I	L/R sampling clock signal (44.1 kHz) input for PCM audio input
89	DPBCK	I	Bit clock signal (2.8224 MHz) input for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input to the main system controller
122	XSPIDS	I	Serial data latch pulse signal input to the main system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

DIGITAL BOARD IC2028 CXD9722TQ (LIP SYNC ADJUST)

Pin No.	Pin Name	I/O	Description
1 to 5	D1 to D5	I/O	Serial data input/output terminal with the SD-RAM
6	VDD	-	Power supply terminal (+3.3V)
7, 8	D6, D7	I/O	Serial data input/output terminal with the SD-RAM
9	VSS	-	Ground terminal
10	WE	O	Write enable signal output to the SD-RAM
11	CAS	O	Column address strobe signal output to the SD-RAM
12	RAS	O	Row address strobe signal output to the SD-RAM
13	CS	O	Chip select signal output to the SD-RAM
14	CLK	O	Serial data transfer clock signal output to the SD-RAM
15	CKE	O	Clock enable signal output to the SD-RAM
16	VDD	-	Power supply terminal (+3.3V)
17, 18	A11, A10	O	Address signal output to the SD-RAM
19 to 22	A0 to A3	O	Address signal output to the SD-RAM
23	VSS	-	Ground terminal
24 to 29	A9 to A4	O	Address signal output to the SD-RAM
30	VSS	-	Ground terminal
31	DRSO	O	SR-ch analog audio signal output terminal Not used
32	DLSO	O	SL-ch analog audio signal output terminal Not used
33	DEXRO	O	Not used (open)
34	DLFEO	O	W-ch analog audio signal output terminal Not used
35	DCO	O	C-ch analog audio signal output terminal Not used
36	VDD	O	Power supply terminal (+3.3V)
37	DRO	O	R-ch analog audio signal output terminal Not used
38	DLO	O	L-ch analog audio signal output terminal Not used
39	VSS	-	Ground terminal
40	DMRO	O	SBR-ch analog audio signal output terminal Not used
41	DMLO	O	SBL-ch analog audio signal output terminal Not used
42	VSS	-	Ground terminal
43	VDD	-	Power supply terminal (+3.3V)
44	DLDRO	O	Audio serial data output terminal
45	CSWO	O	Audio serial data output terminal
46	SLSRO	O	Audio serial data output terminal
47	FLFRO	O	Audio serial data output terminal
48	VSS	-	Ground terminal
49	SPDIFO	O	SPDIF signal output terminal Not used
50	TEST1	I	Test mode setting terminal Not used
51	TRST	I	Reset signal input terminal for test Not used
52	TMS	I	Mode setting terminal for test Not used
53	TCK	I	Clock signal input terminal for test Not used
54	TDI	I	Serial data input terminal for test Not used
55	TDO	O	Serial data output terminal for test Not used
56	TEST2	I	Test mode setting terminal Not used
57	SPDIFI	I	SPDIF signal input terminal Not used
58	VSS	-	Ground terminal
59	LRCKI	I	L/R sampling clock signal (44.1 kHz) input from the digital signal processor
60	BCKI	I	Bit clock signal (2.8224 MHz) input from the digital signal processor
61	VDD	-	Power supply terminal (+3.3V)
62	VSS	-	Ground terminal
63	DLDRI	I	Audio serial data input from the digital signal processor

Pin No.	Pin Name	I/O	Description
64	CSWI	I	Audio serial data input from the digital signal processor
65	SLSRI	I	Audio serial data input from the digital signal processor
66	FLFRI	I	Audio serial data input from the digital signal processor
67	TEST3	I	Test mode setting terminal Not used
68	CLK512	I	Serial data transfer clock signal input terminal
69	VSS	-	Ground terminal
70	XRST	I	Reset signal input from the main system controller
71	VDD	-	Power supply terminal (+3.3V)
72	SCLK	I	Serial data transfer clock signal input from the main system controller
73	XCS	I	Chip select signal input from the main system controller
74	SI	I	Serial data input from the main system controller
75	SO	O	Serial data output to the main system controller
76	DEXRI	I	Not used (connected to ground)
77	DMLI	I	SBL-ch analog audio signal input terminal Not used
78	DMRI	I	SBR-ch analog audio signal input terminal Not used
79	VSS	-	Ground terminal
80	PHRI	I	Clock signal input terminal
81	BCKAI	I	Bit clock signal input from the GPR Not used
82	DQM	O	Not used
83	DLI	I	L-ch analog audio signal input terminal Not used
84	DRI	I	R-ch analog audio signal input terminal Not used
85	DCI	I	C-ch analog audio signal input terminal Not used
86	DLFEI	I	W-ch analog audio signal input terminal Not used
87	DLSI	I	SL-ch analog audio signal input terminal Not used
88	DRSI	I	SR-ch analog audio signal input terminal Not used
89	VSS	-	Ground terminal
90 to 95	D15 to D10	I/O	Serial data input/output terminal with the SD-RAM
96	VDD	-	Power supply terminal (+3.3V)
97, 98	D9, D8	I/O	Serial data input/output terminal with the SD-RAM
99	GND	-	Ground terminal
100	D0	I/O	Serial data input/output terminal with the SD-RAM

DIGITAL BOARD IC2048 TMP87C447U-1F23 (REMOTE COMMANDER INTERFACE)

Pin No.	Pin Name	I/O	Description
1	STAT0	O	M-BUS status output to the main system controller
2	CARRIER-OUT	O	SIRCS signal on/off control signal output terminal
3	FLASH	I	Not used
4	MBUS	I	Not used
5	CTRL-LATCH	I	Serial data latch pulse signal input from the main system controller
6, 7	-	-	Not used
8	SIRSTS	O	Not used
9	-	-	Not used
10	SIRCS-INPUT	I	SIRCS signal input terminal
11	A1-OUT	O	SIRCS signal output for CTRL A1 II
12	A1-IN	I	SIRCS signal input for CTRL A1 II
13	GND	-	Ground terminal
14	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
15	XIN	I	System clock input terminal (7.28 MHz)
16	XOUT	O	System clock output terminal (7.28 MHz)
17	GND	-	Ground terminal
18	VDD	-	Power supply terminal (+5V)
19	RESETC	O	Reset signal output to the main system controller
20	RESETN	O	Not used
21	OUTHI1	O	Not used
22	OUTLO1	O	Not used
23	OUTHI2	O	Model destination signal output to the main system controller
24	OUTLO2	O	Not used
25	ENDFLG	I	End flag input from the main system controller
26	UARTIN	I	Serial data input from the RS-232C
27 to 32	-	-	Not used
33	SIRCS-OUT	O	SIRCS signal output terminal
34 to 36	-	-	Not used
37	MBUS_TV	I	Not used
38	MBUS_V2	I	Not used
39	MBUS_V1	I	Not used
40	VDD	-	Power supply terminal (+5V)
41 to 44	STAT4 to STAT1	O	M-BUS status output to the main system controller

DIGITAL BOARD IC2054 MB91F355APMT-A70ES-X110 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for BASS)
3, 4	TREB JOG1, TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TREBLE)
5	SVOL LAT (A90)	-	Not used
6	TUNER LAT	O	Serial data latch pulse signal output to the tuner unit
7	TUNER DO	I	Serial data input from the tuner unit
8	TUNED	I	Tuned detection signal input from the tuner unit
9	STEREO	I	FM stereo detection signal input from the tuner unit
10	RDS DATA	I	RDS serial data input from the tuner unit (AEP model only)
11	DATA0	I	Read data input from the digital audio interface receiver
12	DSP RESET	O	System reset signal output to the DSP “L”: reset
13	DSP (LAT)	O	Serial data latch pulse output to the DSP
14	DSP SPICLK	O	Serial data transfer clock signal output to the DSP
15	DSP MISO	I	Serial data input from the DSP or flash memory
16	DSP MOSI	O	Serial data output to the DSP or flash memory
17	VSS	-	Ground terminal
18	VCC	-	Power supply terminal (+3.3V)
19, 20	DSP BCFG0, DSP BCFG1	-	Not used
21	SF CPU CE	O	Chip enable signal output for the flash memory
22	SF DSP MAS	I	Master/slave selection signal input terminal “H”: DSP is master
23	96/24	-	Not used
24	T/A XCS	O	Chip select signal output to the lip sync adjust
25	T/A SO	I	Serial data input from the lip sync adjust
26	T/A XRST	O	System reset signal output to the lip sync adjust “L”: reset
27	MAIN DO	O	Serial data output to the PCM/PWM processor
28	MAIN CLK	O	Serial data transfer clock signal output to the PCM/PWM processor
29	SUB-U RESET	O	System reset signal output to the sub system controller “L”: reset
30	DIR XMODE	O	System reset signal output to the digital audio interface receiver “L”: reset
31	DIR CE	O	Chip enable signal output to the digital audio interface receiver
32	DIR DO	I	Serial data input from the digital audio interface receiver
33	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
34	DIR CKST	I	Clock select signal input from the digital audio interface receiver
35	VSS	-	Ground terminal
36	VCC	-	Power supply terminal (+3.3V)
37	AD/DA RESET	O	System reset signal output to the A/D converter and D/A converter “L”: reset
38	DAC LAT	O	Serial data latch pulse signal output to the D/A converter
39	DAC OUT	I	Serial data input from the D/A converter
40	AD (SB) RESET	O	System reset signal output to the A/D converter (for surround back) “L”: reset
41	ADMIX LAT (A90)	-	Not used
42	PDMIX LAT (A90)	-	Not used
43	RF ERR (A90)	-	Not used
44	MUTE	O	System muting on/off control signal output terminal
45	DAVS	-	Ground terminal
46	DAVC	-	Power supply terminal (+3.3V)
47 to 49	NO USE	-	Not used
50 to 52	AD KEY1 to AD KEY3	I	Front panel key input terminal (A/D input)
53, 54	NO USE	-	Not used

Pin No.	Pin Name	I/O	Description
55	VERSION	I	Setting terminal for version
56, 57	NO USE	-	Not used
58	RDS SIGNAL	I	RDS signal input from the tuner unit (AEP model only)
59 to 61	NO USE	-	Not used
62	AVCC	-	Power supply terminal (+3.3V)
63	AVRH	I	Reference voltage input terminal (+3.3V)
64	AVSS/AVRL	-	Ground terminal
65	VSS	-	Ground terminal
66	VCC	-	Power supply terminal (+3.3V)
67	IH ERROR	I	Error signal input from the i. LINK interface
68	9742 INT	O	Initialize signal output to the digital audio processor
69	RY595 LAT (A90)	-	Not used
70	C595 LAT (A90)	-	Not used
71	D595 OE	O	Output enable signal output to the data decoder
72	D595 LAT	O	Serial data latch pulse output to the data decoder
73	O595 LAT	O	Serial data latch pulse output to the data decoder
74	FUNC LAT	O	Serial data latch pulse output to the analog input section
75	PREVOL LAT	O	Serial data latch pulse output to the pre audio section
76	PREOUT RY	O	Relay drive signal (for pre audio section) output terminal
77	V595 OE	O	Output enable signal output to the data decoder
78	V595 LAT	O	Serial data latch pulse output to the data decoder
79	VSS	-	Ground terminal
80	VCC	-	Power supply terminal (+3.3V)
81	FLSH-PN0	-	Not used
82	COM1 CLK	O	Serial data transfer clock signal output to the data decoder
83	FLSH-PN2	-	Not used
84	COM1 DAT	O	Serial data output to the data decoder
85	COM2 CLK	O	Serial data transfer clock signal output to the data decoder
86	COM2 DAT	O	Serial data output to the data decoder
87	OSD LAT	O	Serial data latch pulse signal output to the OSD driver
88	OSD DATA	O	Serial data output to the OSD driver
89	OSD CLK	O	Serial data transfer clock signal output to the OSD driver
90 to 92	NO USE	-	Not used
93	VSS	-	Ground terminal
94	UPCON DATA	I/O	Serial data input/output with the video amp
95	UPCON CLK	O	Serial data transfer clock signal output to the video amp
96	VSS	-	Ground terminal
97	VCC	-	Power supply terminal (+3.3V)
98	SIRCS IN	I	SIRCS signal input terminal
99	DSP INT	I	Interrupt status input from the DSP
100	RDS CLK	I	RDS serial data transfer clock signal input from the tuner unit (AEP model only)
101	POWER KEY	I	Power key input terminal
102 to 104	NO USE	-	Not used
105	CTL-A1 IN	I	SIRCS signal input for the CONTROL A1II
106	CTL-A1 LAT	O	Serial data latch pulse signal output to the remote commander interface
107	CTL-A1 OUT	O	SIRCS signal output for the CONTROL A1II
108	STOP	I	AC off detection signal input terminal
109 to 113	MBUS STS0 to MBUS STS4	I	M-BUS status signal input from the remote commander intel face
114	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
115	VCC	-	Power supply terminal (+3.3V)
116	DAB TX	-	Not used
117	DAB RX	-	Not used
118	DAB POWER	-	Not used
119	ILINK TX	I	Serial data input from the i. LINK system controller
120	ILINK RX	O	Serial data output to the i. LINK system controller
121	ILINK RESET	O	System reset signal output to the i. LINK system controller “L”: reset
122	HDMI TX	I	Serial data input from the HDMI controller
123	HDMI RX	O	Serial data output to the HDMI controller
124	HDMI RESET	O	System reset signal output to the HDMI system controller “L”: reset
125	FLASH SI	I	Serial data input from the RS-232C
126	FLASH SO	O	Serial data output to the RS-232C
127	ILINK CTS	O	Serial data transfer clock signal output to the i. LINK system controller
128	ILINK RTS	I	Serial data input from the i. LINK system controller
129	FL DATA	O	Serial data output to the fluorescent indicator tube
130	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
131	NO USE	-	Not used
132	END FLAG	O	End flag output to the remote commander interface
133	RST TRG	O	Reset signal output terminal
134	NMIX	-	Not used
135	XA-OUT	-	Not used
136	VSS	-	Ground terminal
137	XA-IN	-	Not used
138 to 140	MD2 to MD0	I	Model distination signal input terminal
141	X-IN	I	Main system clock input terminal (12.5 MHz)
142	VCC	-	Power supply terminal (+3.3V)
143	X-OUT	O	Main system clock output terminal (12.5 MHz)
144	XRESET	I	System reset signal input terminal “L”: reset”
145	VSS	-	Ground terminal
146	VCC	-	Power supply terminal (+3.3V)
147, 148	POWER RY1, POWER RY2	O	Relay drive signal (for main power) output terminal “H”: relay on
149, 150	FUNCTION JOG1, FUNCTION JOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
151, 152	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)
153	H.P. IN	I	Headphone detection signal input terminal “H”: headphone is connected
154	LED CLR	O	Serial data transfer clock signal output to the LED driver
155	LED LAT	O	Serial data latch pulse signal output to the LED driver
156	FL CLR	O	Clear signal output to the fluorescent indicator tube
157	FL LAT	O	Serial data latch pulse output to the fluorescent indicator tube
158, 159	SP-SW FA, SP-SW FB	I	Front speaker selection switch input terminal
160, 161	SP-SW SA (A90), SP-SW SB (A90)	I	Not used
162	VSS	-	Ground terminal
163	VCC	-	Power supply terminal (+3.3V)
164	FSRATE	I	L/R sampling clock signal (44.1 kHz) input terminal
165	SUB-U DATA	I	Serial data input from the sub system controller
166	NO USE	-	Not used
167	EEPROM SDA	I/O	Two-way data bus with the EEPROM
168	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM

Pin No.	Pin Name	I/O	Description
169, 170	+/– JOG1, +/– JOG2	I	Jog dial pulse input from the rotary encoder (for –/+)
171, 172	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input from the rotary encoder (for MENU)
173, 174	MAIN MENU JOG1, MAIN MENU JOG2	I	Jog dial pulse input from the rotary encoder (for MAIN MENU)
175	VSS	-	Ground terminal
176	VCC	-	Power supply terminal (+3.3V)

ILINK BOARD IC3002 HD6432365A19FV-TAA70 (I. LINK SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	MD0, MD1	-	Not used
3, 4	VSS	-	Ground terminal
5	MD2	-	Not used
6	VCC	-	Power supply terminal (+3.3V)
7	A0	-	Not used
8 to 11	A1 to A4	O	Address signal output to the i. link interface and flash memory
12	VSS	-	Ground terminal
13 to 20	A5 to A12	O	Address signal output to the i. link interface and flash memory
21	VSS	-	Ground terminal
22 to 25	A13 to A16	O	Address signal output to the i. link interface and flash memory
26	VSS	-	Ground terminal
27 to 29	A17 to A19	O	Address signal output to the i. link interface and flash memory
30 to 33	A20 to A23	-	Not used
34	EMLE	-	Not used
35, 36	VSS	-	Ground terminal
37	TD0	-	Not used
38	NMI	-	Not used
39	VCC	-	Power supply terminal (+3.3V)
40	ARMRST	O	System reset signal output to the i. link interface “L”: reset
41 to 56	-	-	Not used
57 to 63	D0 to D6	I/O	Two-way data bus with the i. link interface and flash memory
64	VSS	-	Ground terminal
65	D7	I/O	Two-way data bus with the i. link interface and flash memory
66	VCC	-	Power supply terminal (+3.3V)
67	NC	-	Not used
68	VSS	-	Ground terminal
69 to 76	D8 to D15	I/O	Two-way data bus with the i. link interface and flash memory
77	WAIT	I	Bus wait request signal input from the i. link interface
78, 79	CS5, CS6	-	Not used
80	LWR	-	Not used
81	HWR	O	Read/write enable signal output to the i. link interface and flash memory
82	RD	O	Read data output to the i. link interface and flash memory
83	-	-	Not used
84	PLLVCC	-	Power supply terminal (+3.3V)
85	RES	I	System reset signal input from the main system controller “L”: reset
86	PLLVSS	-	Ground terminal
87	CLK	O	Serial data transfer clock signal output to the i. link interface
88	VSS	-	Ground terminal
89	XTAL	O	System clock output terminal (24.576 MHz)
90	EXTAL	I	System clock input terminal (24.576 MHz)
91, 92	VCC	-	Power supply terminal (+3.3V)
93, 94	-	-	Not used
95	VSS	-	Ground terminal
96	STBY	-	Not used
97	-	-	Not used
98	CS_MEMZ	O	Chip select signal output to the i. link interface
99, 100	VSS	-	Ground terminal
101	CS2	O	Chip select signal output to the flash memory

Pin No.	Pin Name	I/O	Description
102	CS_IOZ	O	Chip select signal output to the i. link interface
103	AVCC	-	Power supply terminal (+3.3V)
104	VREF	I	Reference voltage input terminal (+3.3V)
105	ARMINT	I	Interrupt request signal input from the i. link interface
106 to 114	-	-	Not used
115	AVSS	-	Not used
116	TCK	-	Not used
117	TMS	-	Not used
118	TDI	-	Not used
119	CTS	I	Serial data transfer clock signal input from the main system controllaer
120	RTS	O	Serial data output to the main system controllaer
121	-	-	Not used
122	TRST	-	Not used
123, 124	-	-	Not used
125	RXD1	-	Not used
126	RXD0	I	Serial data input from the main system controllaer
127	TXD1	-	Not used
128	TXD0	O	Serial data output to the main system controllaer

ILINK BOARD IC3003 TSB43CA42PGF (I. LINK INTERFACE)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2, 3	TESTMODE0, TESTMODE1	-	Not used
4	VDD	-	Power supply terminal (+3.3V)
5	VCO_CLK	I	Clock signal input from the i. link DSP
6	REF_SYT	O	Signal output for phase comparison to the i. link DSP
7	DIV_VCO	O	Clock signal output for phase comparison to the i. link DSP
8	PFD	-	Not used
9	MLPCM_BCLK	O	Bit clock signal (2.8224 MHz) output to the i. link DSP
10	MLPCM_LRCK	O	L/R sampling clock (44.1 kHz) output to the i. link DSP
11 to 13	MLPCM_D0 to MLPCM_d2	O	PCM audio signal output to the i. link DSP
14	MLPCM_A	O	PCM audio supplementary signal output to the i. link DSP
15	GPIO2	O	SA-CD sled type signal output to the i. link DSP
16	GPIO3	O	SA-CD sled type signal output to the i. link DSP
17	GPIO4	O	44 kHz clock selelct signal output to the i. link DSP
18	GPIO5	O	FSSEL signal output to the i. link DSP
19	MSPCTL	-	Not used
20	VDD	-	Power supply terminal (+3.3V)
21	VSS	-	Ground terminal
22	CPS	-	Not used
23	AVDD	-	Power supply terminal (+3.3V)
24	AGND	-	Ground terminal
25, 26	TPB0_N,TPB0_P	I/O	i.link audio signal input/output terminal
27	AGND	-	Ground terminal
28	AVDD	-	Power supply terminal (+3.3V)
29, 30	TPA0_N,TPA0_P	I/O	i.link audio signal input/output terminal
31	TPBIAS0	O	Bias control signal output terminal for i. link input
32	AVDD	-	Power supply terminal (+3.3V)
33, 34	TPB1_N,TPB1_P	I/O	i.link audio signal input/output terminal
35	AGND	-	Ground terminal
36, 37	TPA1_N,TPA1_P	I/O	i.link audio signal input/output terminal
38	TPBIAS1	O	Bias control signal output terminal for i. link input
39, 40	NC	-	Not used
41	AVDD	-	Power supply terminal (+3.3V)
42 to 44	NC	-	Not used
45	AGND	-	Ground terminal
46, 47	R1. R0	-	Not used
48	AVDD	-	Power supply terminal (+3.3V)
49, 50	FILTER0, FILTER1	-	Not used
51	PLL_VDD	-	Power supply terminal (+3.3V)
52	XI	I	System clock input terminal (24.576 MHz)
53	XO	O	System clock output terminal (24.576 MHz)
54	PLL_GND	-	Ground terminal
55	VSS	-	Ground terminal
56	VDD	-	Power supply terminal (+3.3V)
57, 58	TEST_MODE2, TEST_MODE3	-	Not used
59	RESET	I	System reset signal input from the main system controller “L”: reset

Pin No.	Pin Name	I/O	Description
60	RESET_ARM	I	System reset signal input from the i. link system controller “L”: reset
61	LINK_ON	-	Not used
62	HPS	-	Not used
63	LOW_PWR_RDY	-	Not used
64	DISABLE_IF	-	Not used
65	GPIO0	O	Reload timer output to the main system controller
66	GPIO1	O	Clock mode switch signal output terminal
67	SDA	-	Not used
68	SCL	-	Not used
69	GPIO6	O	FSSEL signal output to the i. link DSP
70	GPIO7	O	Data receive start signal and reset signal output to the i. link DSP
71	GPIO8	O	SA-CD channel select signal output to the i. link DSP
72	GPIO9	I	FSTATE signal input from the i. link DSP
73	REG_EN	-	Not used
74	REG_OUT	-	Not used
75	VDD	-	Power supply terminal (+3.3V)
76	VSS	-	Ground terminal
77	TMS	-	Not used
78	TDI	-	Not used
79	TDO	-	Not used
80	TCK	-	Not used
81	TRST	-	Not used
82	ARM_TMS	-	Not used
83	ARM_TDI	-	Not used
84	ARM_TDO	-	Not used
85	UART_TXD	-	Not used
86	UART_RXD	-	Not used
87	GPIO10	I	FSTATE signal input from the i. link DSP
88	TMR WTCHDOG	-	Not used
89	MCIF_INT	O	Interrupt request signal output to the i. link system controller
90	MCIF_CS_IO	I	Chip select signal input from the i. link system controller
91	MCIF_CS_MEM	I	Chip select signal input from the i. link system controller
92	MCIF_R_NW	-	Not used
93	MCIF_STRB	-	Not used
94	MCIF_WAIT	O	Bus wait request signal output to the i. link system controller
95	MCIF_ACK	-	Not used
96	MCIF_OE	I	Read data input from the i. link system controller
97	MCIF_WE	I	Read/write enable signal input from the i. link system controller
98	MCIF_BUSCLK	I	Serial data transfer clock signal input from the i. link system controller
99, 100	MCIF_DATA0, MCIF_DATA1	I/O	Two-way data bus with the i. link system controller and flash memory
101	VDD	-	Power supply terminal (+3.3V)
102	VSS	-	Ground terminal
103 to 114	MCIF_DATA2 to MCIF_DATA13	I/O	Two-way data bus with the i. link system controller and flash memory
115	REG_OUT	-	Not used
116	VDD	-	Power supply terminal (+3.3V)
117	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
118, 119	MCIF_DATA14, MCIF_DATA15	I/O	Two-way data bus with the i. link system controller and flash memory
120 to 129	MCIF_ADDR1 to MCIF_ADDR10	I	Address signal input from the i. link system controller
130	VDD	-	Power supply terminal (+3.3V)
131	VSS	-	Ground terminal
132	MCIFENDIAN	-	Not used
133	MCIF_MODE0	-	Not used
134	MCIF_MODE1	-	Not used
135	MCIF_MODE2	-	Not used
136	HSDI0_60958_IN	-	Not used
137	HSDI0_AMCLK_IN	-	Not used
138	HSDI0_CLK	-	Not used
139	HSDI0_EN	-	Not used
140	HSDI0_AV	-	Not used
141	HSDI0_SYNC	-	Not used
142	HSDI0_DVALID	-	Not used
143	HSDI0_D0	-	Not used
144	HSDI0_D1	-	Not used
145	VDD	-	Power supply terminal (+3.3V)
146	VSS	-	Ground terminal
147	HSDI0_D2	-	Not used
148	HSDI0_D3	-	Not used
149	HSDI0_D4	-	Not used
150	HSDI0_D5	-	Not used
151	HSDI0_D6	-	Not used
152	HSDI0_D7	-	Not used
153	HSDI1_CLK	O	DSD audio signal transfer clock signal output to the i. link DSP
154	HSDI1_EN	-	Not used
155	HSDI1_AV	-	Not used
156	HSDI1_SYNC	O	Sync signal output for DSD audio signal to the i. link DSP
157	HSDI1_DVALID	-	Not used
158, 159	HSDI1_D0, HSDI1_D1	O	DSD audio signal output to the i. link DSP
160	REG_OUT	-	Not used
161	VDD	-	Power supply terminal (+3.3V)
162	VSS	-	Ground terminal
163 to 167	HSDI1_D2 to HSDI1_D6	O	DSD audio signal output to the i. link DSP
168	HSDI1_D7	-	Not used
169	HSDI1_AMCLK_IN	I	Clock signal input from the i. link DSP
170	HSDI1_AMCLK_OUT	-	Not used
171	HSDI1_AUDIO_ERR	-	Not used
172	HSDI1_AUDIO_MUTE	O	Muting on/off control signal output to the i. link DSP
173	HSDI1_60958_IN	-	Not used
174	HSDI1_60958_OUT	O	SPDIF audio signal output to the i. link DSP
175	VDD	-	Power supply terminal (+3.3V)
176	VSS	-	Ground terminal

ILINK BOARD IC3014 DB-ACP401 (I. LINK DSP)

Pin No.	Pin Name	I/O	Description
1	VDDO	-	Power supply terminal (+3.3V)
2	SPDIFO	O	SPDIF audio signal output terminal
3 to 5	SDA3 to SDA1	O	Audio signal output terminal
6	SDA0	-	Not used
7	LRCKO	O	L/R sampling clock (44.1 kHz) output terminal
8	BCKO	O	Bit clock signal (2.8224 MHz) output terminal
9	AMCKO	O	Audio data transfer clock signal output terminal
10	AMCKEN	-	Not used
11	SDERRO	-	Not used
12	VSSO	-	Ground terminal
13	VDDO	-	Power supply terminal (+3.3V)
14	SDMUTE	-	Not used
15	SAPCMBCK	I	Bit clock signal (2.8224 MHz) input terminal
16	SAPCMLRCK	I	L/R sampling clock (44.1 kHz) input terminal
17 to 19	SAPCMD3 to SAPCMD1	I	Audio signal input terminal
20	SAMCKO	O	Audio data transfer clock signal output terminal
21	SADAO	-	Not used
22 to 25	SAD0 to SAD3	O	Audio signal output terminal
26	VSSCORE	-	Ground terminal
27	VDDCORE	-	Power supply terminal (+3.3V)
28, 29	SAD4, SAD5	O	Audio signal output terminal
30	SAFRO	-	Not used
31	TESTMD0	-	Not used
32	TESTMD1	-	Not used
33	PLLMD	-	Not used
34	SAPCMMD	-	Not used
35	REFCYCLE	-	Not used
36	RJMSBF	-	Not used
37	SEL512	-	Not used
38	CONT48	-	Not used
39	CLK48K	I	48 kHz clock signal input terminal
40	CLK48KI	-	Not used
41	CLK48KO	-	Not used
42	VSSO	-	Ground terminal
43	VDDO	-	Power supply terminal (+3.3V)
44	CONT44	-	Not used
45	CLK44K	I	44 kHz clock signal input terminal
46	CLK44KI	-	Not used
47	CLK44KO	-	Not used
48	SELOSC	-	Not used
49	XRESET	I	Reset signal input from the i. link interface
50	OUTPUTEN	-	Not used
51	FMODE	I	Clock mode switch signal input terminal
52, 53	SELDTYPE0, SELDTYPE1	I	SA-CD sled type signal input terminal
54	SEL44K	I	44 kHz clock selelct signal input terminal
55, 56	FSSEL0, FSSEL1	I	FSSEL signal input terminal
57	VSSO	-	Ground terminal
58	VDDO	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
59	RSSTART	I	Data receive start signal input terminal
60	SACHSEL	I	SA-CD channel select signal input terminal
61	FMUTE	-	Not used
62, 63	FSTATE0, FSTATE1	O	FSTATE signal output terminal
64	FSTATE2	-	Not used
65	TDI	-	Not used
66	TDO	-	Not used
67	TMS	-	Not used
68	TCK	-	Not used
69	TRST	-	Not used
70	SANKIN	I	Audio data transfer clock signal input terminal
71	SAFRIN	I	Sync signal input terminal for DSD audio signal
72	SAD0IN	I	DSD audio signal input terminal
73	VSSCO	-	Ground terminal
74	VDDCO	-	Power supply terminal (+3.3V)
75 to 79	SAD1IN to SAD5IN	I	DSD audio signal input terminal
80	SADAIN	I	DSD audio signal input terminal
81	AMCKIN	I	Clock signal input terminal
82	SPDIFIN	I	SPDIF audio signal input terminal
83	SDMUTEIN	I	Muting on/off control signal input terminal
84	SDERRIN	-	Not used
85	VCO2O	O	Clock signal output terminal
86	VCO1O	O	Serial data transfer clock signal output terminal
87	REFSTY	I	Signal input terminal for fase comparate
88	VCOIN	I	Clock signal input terminal for phase comparison
89	VCOEN	-	Not used
90	VSSCORE	-	Ground terminal
91	VDDCORE	-	Power supply terminal (+3.3V)
92	VSSO	-	Ground terminal
93	VSSPASS	-	Ground terminal
94	VDDPASS	-	Power supply terminal (+3.3V)
95	LPOUT	-	Not used
96	LPIN	-	Not used
97	VDDO	-	Power supply terminal (+3.3V)
98	BCKIN	I	Bit clock signal (2.8224 MHz) input terminal
99	LRCKIN	I	L/R sampling clock (44.1 kHz) input terminal
100 to 102	SDA1IN to SDA3IN	I	Audio signal input terminal
103	SDA0IN	I	PCM audio supplementary signal input terminal
104	VSSO	-	Ground terminal
105	VDDO	-	Power supply terminal (+3.3V)
106 to 119	SDA0 to SDA13	O	Address signal output to the SD-RAM
120 to 127	SDD0 to SDD7	I/O	Two-way data bus with the SD-RAM
128	VSSO	-	Ground terminal
129	VDDO	-	Power supply terminal (+3.3V)
130 to 137	SDD8 to SDD15	I/O	Two-way data bus with the SD-RAM
138	SDCKE	O	Clock enable signal output to the SD-RAM
139	SDCLK	O	Clock signal output to the SD-RAM
140	SDDQM	O	Output terminal of data input/output mask
141	SDRAS	O	Row address strobe signal output to the SD-RAM
142	SDCAS	O	Column address strobe signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
143	SDXWE	O	Data write enable signal output to the SD-RAM
144	VSSO	-	Ground terminal

ILINK BOARD IC3205 SII9031 (HDMI PANELLINK CINEMA RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DE	O	Data enable signal output to the HDMI panellink cinema transmitter
2	HSYNC	O	Horizontal synchronize signal output to the HDMI panellink cinema transmitter
3	VSYNC	O	Vertical synchronize signal output to the HDMI panellink cinema transmitter
4	IOGND	-	Ground terminal
5	IOVCC	-	Power supply terminal (+3.3V)
6	DACOVCC	-	Power supply terminal (+3.3V)
7	DACAVCC	-	Power supply terminal (+3.3V)
8	DACAGND	-	Ground terminal
9	VREF	O	Reference voltage output terminal
10	RSET	-	Full scale adjust resistor connection terminal
11	COMP	-	Compensation terminal
12	DACGNDR	-	Ground terminal
13	DACVCCR	-	Power supply terminal (+3.3V)
14	ANRPR	O	Analog video (R or Pr) signal output terminal Not used
15	DACGNDG	-	Ground terminal
16	DACVCCG	-	Power supply terminal (+3.3V)
17	ANGY	O	Analog video (G or Y) signal output terminal Not used
18	DACGNDB	-	Ground terminal
19	DACVCCB	-	Power supply terminal (+3.3V)
20	ANBPB	O	Analog video (B or Pb) signal output terminal Not used
21	DACDGND	-	Ground terminal
22	DACDVCC18	-	Power supply terminal (+1.8V)
23	CVCC18	-	Power supply terminal (+1.8V)
24	CGND	-	Ground terminal
25	IOGND	-	Ground terminal
26	IOVCC	-	Power supply terminal (+3.3V)
27	CSDA	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, HDMI controller, digital chroma decoder, progressive scan converter and video decoder
28	CSCL	I	I2C clock signal input from the HDMI controller
29	DSDA1	I/O	I2C two-way data bus with the HDMI ASSIGNABLE IN 1 jack
30	DSCL1	I	I2C clock signal input from the HDMI ASSIGNABLE IN 1 jack
31	DADA0	I/O	I2C two-way data bus with the HDMI ASSIGNABLE IN 2 jack
32	DSCL0	I	I2C clock signal input from the HDMI ASSIGNABLE IN 2 jack
33	R1PWR5V	I	HDMI ASSIGNABLE IN 1 jack detection signal input terminal
34	R0PWR5V	I	HDMI ASSIGNABLE IN 2 jack detection signal input terminal
35	DVCC18	-	Power supply terminal (+1.8V)
36	DGND	-	Ground terminal
37	PVCC0	-	Power supply terminal (+3.3V)
38	AVCC	-	Power supply terminal (+3.3V)
39	R0XC-	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 2 jack
40	R0XC+	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 2 jack
41	AGND	-	Ground terminal
42	AVCC	-	Power supply terminal (+3.3V)
43	R0X0-	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
44	R0X0+	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
45	AGND	-	Ground terminal
46	AVCC	-	Power supply terminal (+3.3V)
47	R0X1-	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
48	R0X1+	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack

Pin No.	Pin Name	I/O	Description
49	AGND	-	Ground terminal
50	AVCC	-	Power supply terminal (+3.3V)
51	R0X2-	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
52	R0X2+	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
53	AGND	-	Ground terminal
54	TMDSPGND	-	Ground terminal
55	PVCC1	-	Power supply terminal (+3.3V)
56	RSVD_A	-	Not used
57	AVCC	-	Power supply terminal (+3.3V)
58	R1XC-	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 1 jack
59	R1XC+	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 1 jack
60	AGND	-	Ground terminal
61	AVCC	-	Power supply terminal (+3.3V)
62	R1X0-	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
63	R1X0+	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
64	AGND	-	Ground terminal
65	AVCC	-	Power supply terminal (+3.3V)
66	R1X1-	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
67	R1X1+	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
68	AGND	-	Ground terminal
69	AVCC	-	Power supply terminal (+3.3V)
70	R1X2-	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
71	R1X2+	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
72	AGND	-	Ground terminal
73	DGND	-	Ground terminal
74	DVCC18	-	Power supply terminal (+1.8V)
75	IOGND	-	Ground terminal
76	IOVCC	-	Power supply terminal (+3.3V)
77	MUTEOUT	O	Audio muting signal output terminal
78	SPDIF	O	S/PDIF signal output to the digital audio interface and HDMI panellink cinema transmitter
79	CVCC	-	Power supply terminal (+1.8V)
80	CGND	-	Ground terminal
81	SD3	O	Serial data output to the HDMI panellink cinema transmitter
82 to 84	SD2 to SD0	O	Serial data output to the DSP and HDMI panellink cinema transmitter
85	WS	O	Word select signal output to the DSP and HDMI panellink cinema transmitter
86	SCK	O	Serial clock signal output to the DSP and HDMI panellink cinema transmitter
87	MCKIN	I	Audio master clock input terminal
88	MCKOUT	O	Audio master clock signal DSP and HDMI panellink cinema transmitter
89	IOVCC	-	Power supply terminal (+3.3V)
90	IOGND	-	Ground terminal
91	CGND	-	Ground terminal
92	CVCC18	-	Power supply terminal (+1.8V)
93	NC	-	Not used
94	AUDPVCC18	-	Power supply terminal (+1.8V)
95	AUDPGND	-	Ground terminal
96	XTALOUT	O	System clock output terminal (28.322 MHz)
97	XTALIN	I	System clock input terminal (28.322 MHz)
98	XTALVCC	-	Power supply terminal (+3.3V)
99	REGVCC	-	Power supply terminal (+3.3V)
100	NC	-	Not used

Pin No.	Pin Name	I/O	Description
101	RSVDL	I	Not used
102	RESET	I	Reset signal input from the HDMI controller "L": reset
103	SCDT	O	Not used
104	INT	O	Interrupt signal output to the HDMI controller
105	CVCC18	-	Power supply terminal (+1.8V)
106	CGND	-	Ground terminal
107	CLK48B	I	Data bus latch enable signal input terminal Not used
108	IOGND	-	Ground terminal
109	IOVCC	-	Power supply terminal (+3.3V)
110 to 113	Q23 to Q20	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
114	CVCC18	-	Power supply terminal (+1.8V)
115	CGND	-	Ground terminal
116 to 119	Q19 to Q16	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
120	IOGND	-	Ground terminal
121	ODCK	O	Output data clock signal output to the HDMI panellink cinema transmitter
122	IOVCC	-	Power supply terminal (+3.3V)
123 to 126	Q15 to Q12	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
127	CGND	-	Ground terminal
128	CVCC18	-	Power supply terminal (+1.8V)
129 to 133	Q11 to Q7	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
134	IOVCC	-	Power supply terminal (+3.3V)
135	IOGND	-	Ground terminal
136, 137	Q6, Q5	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
138	CGND	-	Ground terminal
139	CVCC18	-	Power supply terminal (+1.8V)
140 to 144	Q4 to Q0	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder

ILINK BOARD IC3209 uPD70F3210HYGC (HDMI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	AVDD	-	Power supply terminal (+3.3V)
2	AVSS	-	Ground terminal
3 to 7	NC	-	Not used
8	VPP	-	Not used
9	VDD	-	Power supply terminal (+3.3V)
10	REGC	-	Not used
11	VSS	-	Ground terminal
12	10M	I	System clock input terminal (10 MHz)
13	10M	O	System clock output terminal (10 MHz)
14	RESET	I	System reset signal input from the main system controller “L”: reset
15	GND	-	Ground terminal
16	OPEN	-	Not used
17, 18	NC	-	Not used
19	SYSCONS IN	-	Not used
20	SYSCONS OUT	-	Not used
21	SYSCONSSLK	-	Not used
22	232COUT	-	Connect to jig
23	232CIN	-	Connect to jig
24 to 27	NC	-	Not used
28	UC3V_SDA	I/O	Two-way data bus with the HDMI circuit
29	UC3V_SCL	O	Serial data transfer clock signal output to the HDMI circuit
30	EVSS	-	Ground terminal
31	EVDD	-	Power supply terminal (+3.3V)
32	RX_INT	I	Interrupt status input from the HDMI panellink cinema receiver
33	RX_RST	O	System reset signal output to the HDMI panellink cinema receiver “L”: reset
34	EEPROM_SEL01	O	Change signal output terminal of serial data used for EEPROM
35	RX_HPG_DTCT00	I	HDMI connector (HDMI ASSIGNABLE IN 2) detection signal input terminal
36	RX_HPG_DTCT01	I	HDMI connector (HDMI ASSIGNABLE IN 1) detection signal input terminal
37	VDAC_RST	O	System reset signal output to the video encoder “L”: reset
38	MAINCPU_TX	O	Serial data output to the main system controller
39	MAINCPU_RX	I	Serial data input from the main system controller
40	TX_INT	I	Interrupt status input from the HDMI panellink cinema transmitter
41	TX_RST	O	System reset signal output to the HDMI panellink cinema transmitter “L”: reset
42	TX_HPG	O	Power on/off control signal output to the HDMI controller (HDMI MONITOR OUT) section
43	EEPROM_SEL00	O	Change signal output terminal of serial data used for EEPROM
44 to 48	NC	-	Not used
49	FLHS	-	Not used
50	CLKOUT	-	Not used
51 to 61	NC	-	Not used
62	FLMD1	-	Not used
63, 64	NC	-	Not used
65	FL_CTRL	-	Not used
66 to 69	NC	-	Not used
70	PROU-OUT-SW	O	Data control signal output to the bus switch
71	PROU-RST	O	System reset signal output to the progressive scan converter “L”: reset
72	CDX3805_RST	O	System reset signal output to the digital chroma decoder “L”: reset
73	CDX3805_INT	I	Interrupt status input from the digital chroma decoder
74 to 80	NO_USE	-	Not used

ILINK BOARD IC3402 CXD3805AR (DIGITAL CHROMA DECODER)

Pin No.	Pin Name	I/O	Description
1	AVD	-	Power supply terminal (+3.3V)
2	REFSEL	-	Not used
3	PCK	-	Not used
4	AVS	-	Ground terminal
5	HPLLO	-	Not used
6	AVS	-	Ground terminal
7	RPLLHD	-	Not used
8	AVD	-	Power supply terminal (+3.3V)
9	SADSEL0	-	Not used
10	SADSEL1	-	Not used
11	SDA	I/O	Two-way data bus with the HDMI controller
12	SCL	I	Serial data transfer clock signal input from the HDMI controller
13	AVS	-	Ground terminal
14	INTR	O	Interrupt request signal output to the HDMI controller
15	NOSIGDET	-	Not used
16	XRST	I	System reset signal input from the HDMI controller “L”: reset
17 to 19	AVS	-	Ground terminal
20	VD	-	Power supply terminal (+1.8V)
21	VS	-	Ground terminal
22	TCK	-	Not used
23	TDI	-	Not used
24	TMS	-	Not used
25	TRST	I	System reset signal input from the HDMI controller “L”: reset
26 to 29	AVS	-	Ground terminal
30	TDO	-	Not used
31, 32	NC	-	Not used
33	AVS	-	Ground terminal
34	GRCK	-	Not used
35	AVD	-	Power supply terminal (+3.3V)
36 to 45	GRIN0 to GRIN9	-	Not used
46	AVS	-	Ground terminal
47	DCK1	-	Ground terminal
48	AVS	-	Ground terminal
49	DCK2	-	Ground terminal
50	AVD	-	Power supply terminal (+3.3V)
51 to 60	DIN0 to DIN9	-	Not used
61	YS	-	Not used
62	AVS	-	Ground terminal
63	FSCK	I	System clock input (27 MHz) terminal
64	VD	-	Power supply terminal (+1.8V)
65	VS	-	Ground terminal
66	27MHz	O	System clock output (27 MHz) terminal
67	AVS	-	Ground terminal
68	-	-	Not used
69	AVD	-	Power supply terminal (+3.3V)
70, 71	DOUT0, DOUT1	O	Video signal output terminal Not used
72 to 74	DOUT2 to DOUT4	O	Video signal output terminal
75	AVS	-	Ground terminal
76 to 80	DOUT5 to DOUT9	O	Video signal output terminal

Pin No.	Pin Name	I/O	Description
81	AVS	-	Ground terminal
82	-	-	Not used
83	AVD	-	Power supply terminal (+3.3V)
84	VD	-	Power supply terminal (+1.8V)
85	VS	-	Ground terminal
86	AVS	-	Ground terminal
87	-	-	Not used
88	AVS	-	Ground terminal
89	-	-	Not used
90	AVS	-	Ground terminal
91	AVD	-	Power supply terminal (+3.3V)
92	DQ0	I/O	Serial data input/output terminal with the SD-RAM
93	DQ15	I/O	Serial data input/output terminal with the SD-RAM
94	DQ1	I/O	Serial data input/output terminal with the SD-RAM
95	DQ14	I/O	Serial data input/output terminal with the SD-RAM
96	AVS	-	Ground terminal
97	DQ2	I/O	Serial data input/output terminal with the SD-RAM
98	DQ13	I/O	Serial data input/output terminal with the SD-RAM
99	DQ3	I/O	Serial data input/output terminal with the SD-RAM
100	DQ12	I/O	Serial data input/output terminal with the SD-RAM
101	AVS	-	Ground terminal
102	AVD	-	Power supply terminal (+3.3V)
103	DQ4	I/O	Serial data input/output terminal with the SD-RAM
104	DQ11	I/O	Serial data input/output terminal with the SD-RAM
105	DQ5	I/O	Serial data input/output terminal with the SD-RAM
106	DQ10	I/O	Serial data input/output terminal with the SD-RAM
107	AVS	-	Ground terminal
108	DQ6	I/O	Serial data input/output terminal with the SD-RAM
109	DQ9	I/O	Serial data input/output terminal with the SD-RAM
110	DQ7	I/O	Serial data input/output terminal with the SD-RAM
111	DQ8	I/O	Serial data input/output terminal with the SD-RAM
112	AVS	-	Ground terminal
113	VD	-	Power supply terminal (+1.8V)
114	VS	-	Ground terminal
115	DQM	O	Output terminal of data input/output mask
116	XWE	O	Data write enable signal output to the SD-RAM
117	XCAS	O	Column address strobe signal output to the SD-RAM
118	AVD	-	Power supply terminal (+3.3V)
119	AVS	-	Ground terminal
120	SDCK	O	Clock signal output to the SD-RAM
121	AVS	-	Ground terminal
122	XRAS	O	Row address strobe signal output to the SD-RAM
123	CKE	O	Clock enable signal output to the SD-RAM
124	XCS	O	Chip select signal output to the SD-RAM
125	AVD	-	Power supply terminal (+3.3V)
126	BA0	O	Address signal output to the SD-RAM
127	ADDR11	O	Address signal output to the SD-RAM
128	BA1	O	Address signal output to the SD-RAM
129	ADDR9	O	Address signal output to the SD-RAM
130	ADDR10	O	Address signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
131	ADDR8	O	Address signal output to the SD-RAM
132	ADDR0	O	Address signal output to the SD-RAM
133	AVS	-	Ground terminal
134	ADDR7	O	Address signal output to the SD-RAM
135	ADDR1	O	Address signal output to the SD-RAM
136	ADDR6	O	Address signal output to the SD-RAM
137	ADDR2	O	Address signal output to the SD-RAM
138	ADDR5	O	Address signal output to the SD-RAM
139	ADDR3	O	Address signal output to the SD-RAM
140	ADDR4	O	Address signal output to the SD-RAM
141	AVS	-	Ground terminal
142	AVD	-	Power supply terminal (+3.3V)
143	VD	-	Power supply terminal (+1.8V)
144	VS	-	Ground terminal
145	AVSPL2	-	Ground terminal
146, 147	VCO, VCI	-	Not used
148	AVDPL2	-	Power supply terminal (+1.8V)
149	VRT1	-	Not used
150	GIN	-	Not used
151	AVSAD	-	Ground terminal
152	VRM1	-	Not used
153	AVSAD	-	Ground terminal
154	RIN	-	Not used
155	AVDAD	-	Power supply terminal (+1.8V)
156	CIN	I	Video signal (CR) input terminal
157	AVSAD	-	Ground terminal
158	VRB1	-	Not used
159	DVDAD	-	Power supply terminal (+1.8V)
160	DVSAD	-	Ground terminal
161	BIN	I	Video signal (CB) input terminal
162	AVSAD	-	Ground terminal
163	VRT2	-	Not used
164	AVDAD	-	Power supply terminal (+1.8V)
165	VRM2	-	Not used
166	AVSAD	-	Ground terminal
167	CVBSIN	I	Video signal (CVBS) input terminal
168	VRB2	-	Not used
169	AVDPL1	-	Power supply terminal (+1.8V)
170	AVSPL1	-	Ground terminal
171	VD6	-	Power supply terminal (+1.8V)
172	VS6	-	Ground terminal
173	REFCK27	I	System clock input (27 MHz) terminal
174	AVS	-	Ground terminal
175	REFCK80	-	Not used
176	AVS	-	Ground terminal

VIDEO BOARD IC3501 MB90089F-G-238-BND (OSD DRIVER)

Pin No.	Pin Name	I/O	Description
1	YIN	I	Y (luminance) signal input terminal Not used
2	CIN	I	C (color) signal input terminal Not used
3	VIN	I	Composite video signal input terminal Not used
4	AVCC	-	Power supply terminal (+3.3V) (for analog system)
5	FSCO	O	Internal color burst phase display signal output terminal Not used
6	VBLK	O	Vertical blanking period signal output terminal Not used
7	VCC	-	Power supply terminal (+3.3V)
8	EXS	I	Input terminal from the clock generator for external color burst connected to crystal vibrator (NTSC: 14.31 MHz terminal, PAL: 17.734 MHz)
9	XS	O	Output terminal from the clock generator for external color burst connected to crystal vibrator (NTSC: 14.31 MHz, PAL: 17.734 MHz) Not used
10	HSYNC	O	Horizontal sync signal output terminal
11	VSYNC	O	Vertical sync signal output terminal
12	EXHSYN	I	External horizontal sync signal input terminal Not used
13	EXVSYN	I	External vertical sync signal input terminal Not use
14	VSS	-	Ground terminal
15	EXD	I	Dot clock generator connecting terminal for display
16	XD	O	Dot clock generator connecting terminal for display
17	VOB	O	Character and background period signal output terminal Not used
18 to 20	VOC2 to VOC0	O	Color signal output terminal Not used
21	TEST	I	Setting terminal for the test “L”: test (normally: fixed at “H”)
22	SCLK	I	Serial data transfer clock signal input from the main system controller
23	SIN	I	Serial data input from the main system controller
24	CS	I	Serial data latch pulse signal input from the main system controller
25	VOUT	O	Composite video signal output terminal Not used
26	COUT	O	C (color) signal output terminal
27	YOUT	O	Y (luminance) signal output terminal
28	AVSS	-	Ground terminal (for analog system)

ILINK BOARD IC3502 CXD9837R (PROGRESSIVE SCAN CONVERTER)

Pin No.	Pin Name	I/O	Description
1	DVDD	-	Power supply terminal (+3.3V) (for I/O)
2	CLKI	I	System clock input (27 MHz) terminal
3	TEST7 (PLL TEST)	I	Terminal for test Fixed at “L” in this set
4	PLL EN	I	PLL enable signal input terminal
5, 6	PI0, PI1	-	Not used
7	PI2	I	Video data input terminal
8	PI3	I	Y signal input terminal
9	PI4	I	Chroma signal input terminal
10	PI5	I	Video signal input terminal
11	PI6	I	Chroma signal input terminal
12, 13	PI7, PI8	I	Component video signal input terminal
14	PI9	I	Video data input terminal
15	NHSI	I	Horizontal sync signal input terminal Not used
16	NVSI	I	Vertical sync signal input terminal Not used
17	OVSS	-	Ground terminal (for I/O)
18	THRM (IVSS)	I	Through mode setting terminal Fixed at “L” in this set
19	CVSS	-	Ground terminal (for core)
20	NVSO	O	Vertical sync signal output terminal
21	NHSO	O	Horizontal sync signal output terminal
22 to 25	PO9 to PO6	O	Video signal output terminal
26	OVDD	-	Power supply terminal (+3.3V) (for I/O)
27	OVSS	-	Ground terminal (for I/O)
28 to 31	PO5 to PO2	O	Video signal output terminal
32, 33	PO1, PO0	O	Video signal output terminal
34	TEST0	I	Terminal for test Fixed at “L” in this set
35	OVSS	-	Ground terminal (for I/O)
36	OVDD	-	Power supply terminal (+3.3V) (for I/O)
37	CVDD	-	Power supply terminal (+2.5V) (for core)
38	TEST1	I	Terminal for test Fixed at “L” in this set
39	TEST2	I	Terminal for test Fixed at “L” in this set
40	CLKO	O	System clock output (27 MHz) terminal
41 to 45	YO9 to YO5	O	Video signal output terminal
46	OVDD	-	Power supply terminal (+3.3V) (for I/O)
47	OVSS	-	Ground terminal (for I/O)
48 to 52	YO4 to YO0	O	Video signal output terminal
53	OVDD	-	Power supply terminal (+3.3V) (for I/O)
54	CVSS	-	Ground terminal (for core)
55	OVSS	-	Ground terminal (for I/O)
56 to 60	CO0 to CO4	O	Video signal output terminal
61	OVDD	-	Power supply terminal (+3.3V) (for I/O)
62	OVSS	-	Ground terminal (for I/O)
63 to 67	CO5 to CO9	O	Video signal output terminal
68	FILM	O	Filim sequence detection flag output terminal Not used
69	(W3IF) REFI	I	MPEG flag (repeat first field flag) input terminal Not used
70	OVSS	-	Ground terminal (for I/O)
71	CVDD	-	Power supply terminal (+2.5V) (for core)
72	IVDD	-	Power supply terminal (+3.3V) (for I/O)
73	OVDD	-	Power supply terminal (+3.3V) (for I/O)
74 to 77	MD19 to MD16	I/O	Two-way data bus terminal Not used

Pin No.	Pin Name	I/O	Description
78	OVDD	-	Power supply terminal (+3.3V) (for I/O)
79	OVSS	-	Ground terminal (for I/O)
80 to 83	MA3, MA4, MA2, MA5	O	Address signal output to the SD-RAM
84	OVDD	-	Power supply terminal (+3.3V) (for I/O)
85	OVSS	-	Ground terminal (for I/O)
86 to 89	MA1, MA6, MA0, MA7	O	Address signal output to the SD-RAM
90	OVSS	-	Ground terminal (for I/O)
91	(IVSS) TEST5	-	Ground terminal (for I/O)
92	CVSS	-	Ground terminal (for core)
93	OVDD	-	Power supply terminal (+3.3V) (for I/O)
94 to 97	MA10, MA8, MA11, MA9	O	Address signal output to the SD-RAM
98	OVDD	-	Power supply terminal (+3.3V) (for I/O)
99	OVSS	-	Ground terminal (for I/O)
100	RAS	O	Row address strobe signal output to the SD-RAM
101	(CKE) DQM	O	Data mask signal output to the SD-RAM
102	CAS	O	Column address strobe signal output to the SD-RAM
103	MCLK	O	Serial data transfer clock signal output to the SD-RAM
104	WE	O	Write enable signal output to the SD-RAM
105	TEST3	I	Terminal for test Fixed at “L” in this set
106	TEST4	I	Terminal for test Fixed at “L” in this set
107	OVSS	-	Ground terminal (for I/O)
108	OVDD	-	Power supply terminal (+3.3V) (for I/O)
109	CVDD	-	Power supply terminal (+2.5V) (for core)
110 to 113	MD7, MD8, MD6, MD9	I/O	Two-way data bus with the SD-RAM
114	OVDD	-	Power supply terminal (+3.3V) (for I/O)
115	OVSS	-	Ground terminal (for I/O)
116 to 119	MD5, MD10, MD4, MD11	I/O	Two-way data bus with the SD-RAM
120	OVDD	-	Power supply terminal (+3.3V) (for I/O)
121	OVSS	-	Ground terminal (for I/O)
122 to 125	MD3, MD12, MD2, MD13	I/O	Two-way data bus with the SD-RAM
126	OVSS	-	Ground terminal (for I/O)
127	CVSS	-	Ground terminal (for core)
128	OVDD	-	Power supply terminal (+3.3V) (for I/O)
129 to 132	MD1, MD14, MD0, MD15	I/O	Two-way data bus with the SD-RAM
133	SLV	I	MPU interface slave address setting terminal Slave address setting: 0 x 72 when SLV is “0”, 0 x 70 when SLV is “1”
134	RFFO (CSB)	O	MPEG flag (repeat first field flag) output terminal Not used
135	SDA	I/O	Two-way data bus with the HDMI controller
136	SCL	I	Serial data transfer clock signal input from the HDMI controller
137	SRN	I	System reset signal input from the HDMI controller “L”: reset
138	OVSS	-	Ground terminal (for I/O)
139	CVDD	-	Power supply terminal (+2.5V) (for core)
140	PLL VDD	-	Power supply terminal (+2.5V) (for PLL)
141	VPDX (CPOUT)	-	Not used
142	TEST6 (VCOIN)	I	Terminal for test Fixed at “L” in this set
143	PLL_GND	-	Ground terminal (for I/O)
144	IVDD	-	Power supply terminal (+3.3V) (for I/O)

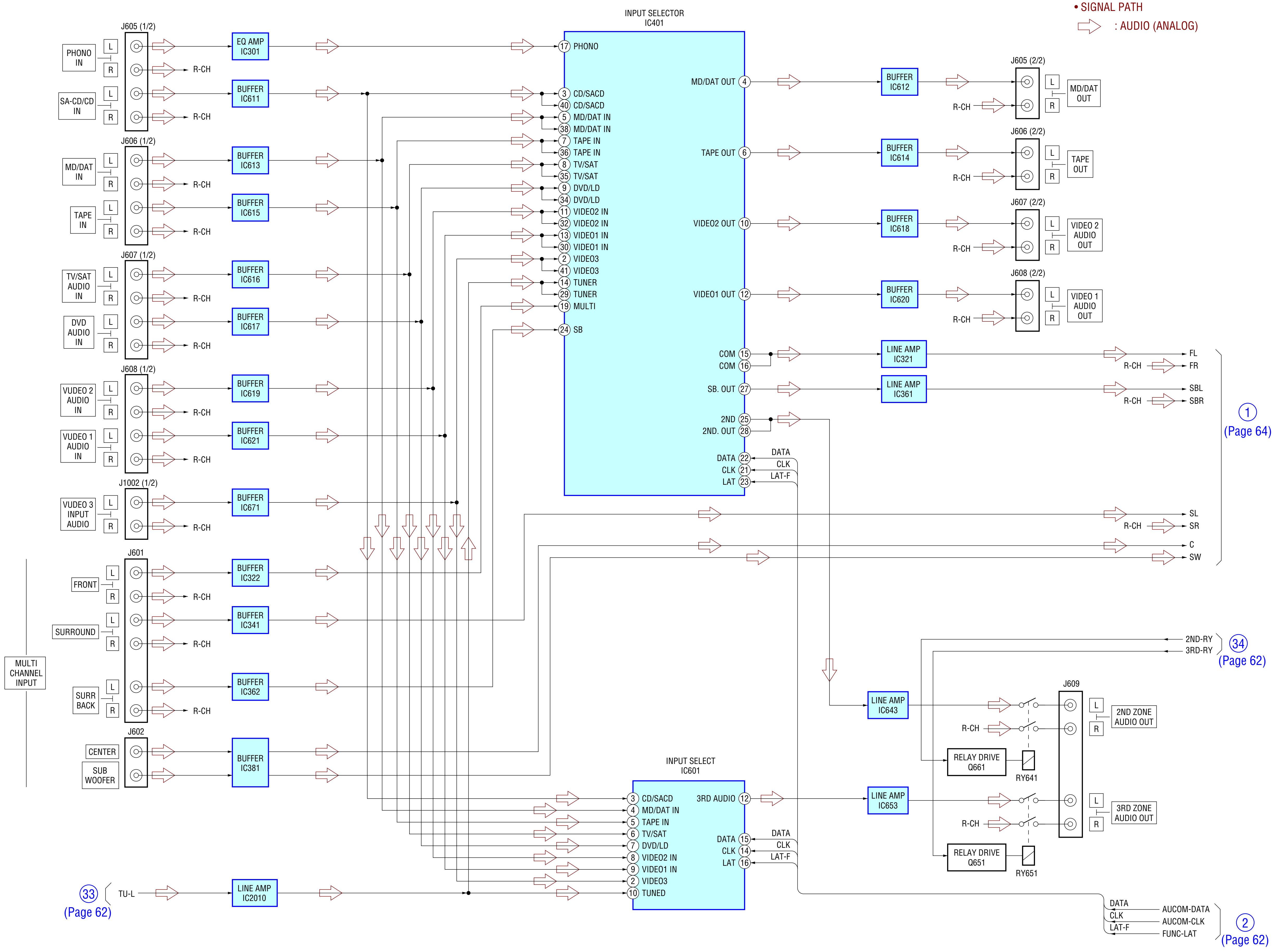
ILINK BOARD IC3504 ADV7320KSTZ (VIDEO ENCODER)

Pin No.	Pin Name	I/O	Description
1	VDD_IO	-	Power supply terminal (+3.3V)
2 to 9	P_Y (0) to P_Y (7)	I	Video signal input terminal
10	VDD	-	Power supply terminal (+2.5V)
11	GND	-	Ground terminal
12, 13	P_Y (8), P_Y (9)	I	Video signal input terminal
14 to 18	P_C (0) to P_C (4)	I	Video signal input terminal
19	SPI_I2C_EN	-	Not used
20	ALSB	-	Not used
21	SDA	I/O	Two-way data bus with the HDMI controller
22	SCL	I	Serial data transfer clock signal input from the HDMI controller
23	P_HSYNC	I	Horizontal sync signal input terminal Not used
24	P_VSYNC	I	Vertical sync signal input terminal Not used
25	P_BLANK	I	Blanking signal input terminal Not used
26 to 30	P_C (5) to P_C (9)	I	Video signal input terminal
31	RTC/SCRESET/TR	-	Not used
32	CLKIN	I	System clock input (27 MHz) terminal
33	RESET8	I	System reset signal input terminal “L”: reset
34	EXT_LF	I	Connected to the external loop filter
35	RSET2	I	Component video signal output level adjustment signal terminal
36	COMP2	-	Not used
37	CR/B	O	Video signal (red) output terminal
38	CB/R	O	Video signal (blue) output terminal
39	Y/G	O	Video signal (green) output terminal
40	GND	-	Ground terminal
41	VAA	-	Power supply terminal (+2.5V)
42	C	O	Chroma video signal output terminal
43	Y	O	Luma video signal output terminal
44	V	O	CVBS video signal output terminal
45	COMP1	-	Not used
46	VREF	-	Not used
47	RSET1	I	Composite video signal output level adjustment signal terminal
48	S_BLANK	I	Blanking signal input terminal Not used
49	S_VSYNC	I	Vertical sync signal input terminal Not used
50	S_HSYNC	I	Horizontal sync signal input terminal Not used
51 to 55	S (0) to S (4)	I	Video signal input terminal
56	VDD	-	Power supply terminal (+2.5V)
57	GND	-	Ground terminal
58 to 62	S (5) to S (9)	I	Video signal input terminal
63	CLKIN_2	I	System clock input (27 MHz) terminal
64	GND_IO	-	Ground terminal

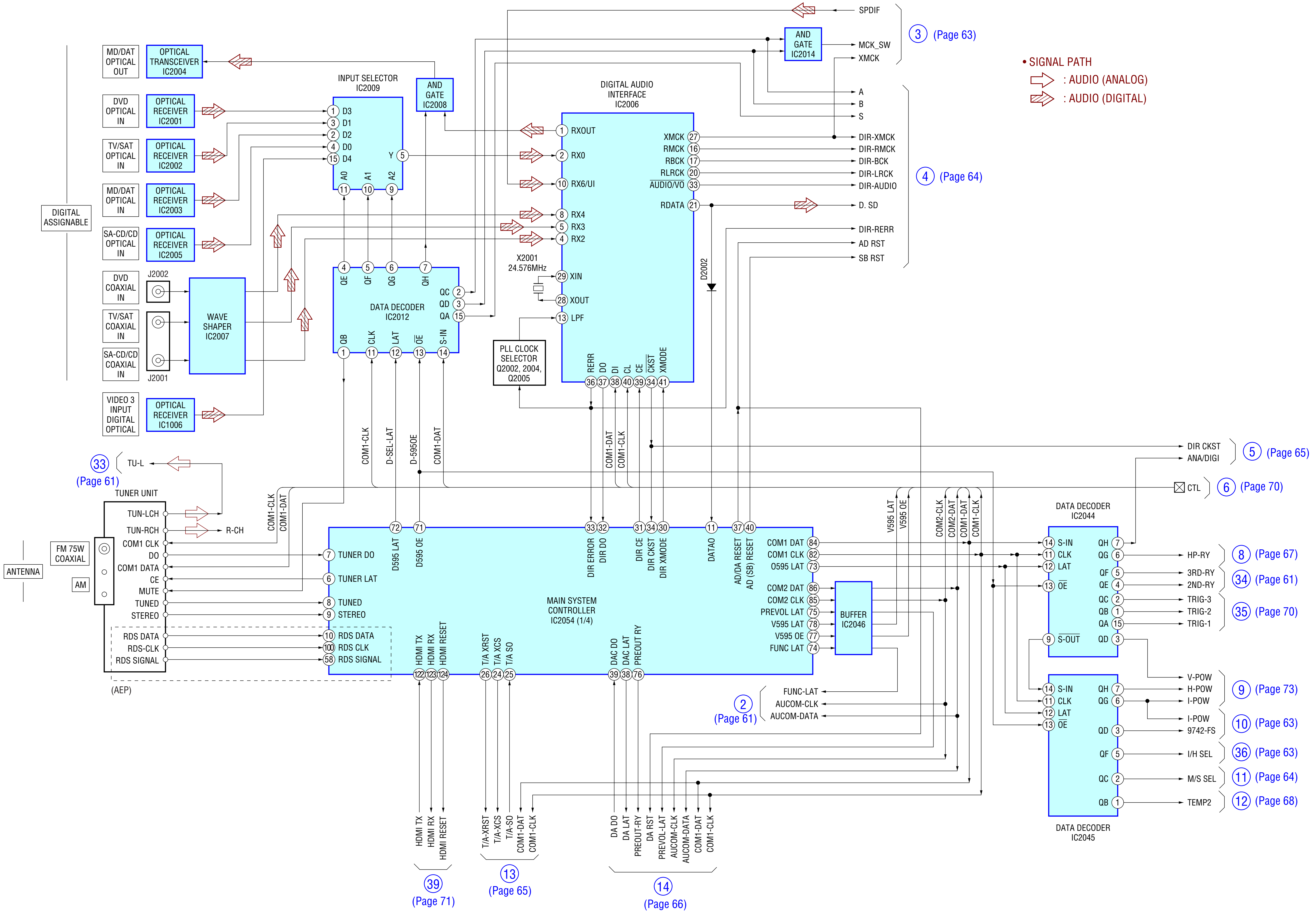
6-1. BLOCK DIAGRAM – AUDIO INPUT SECTION –

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

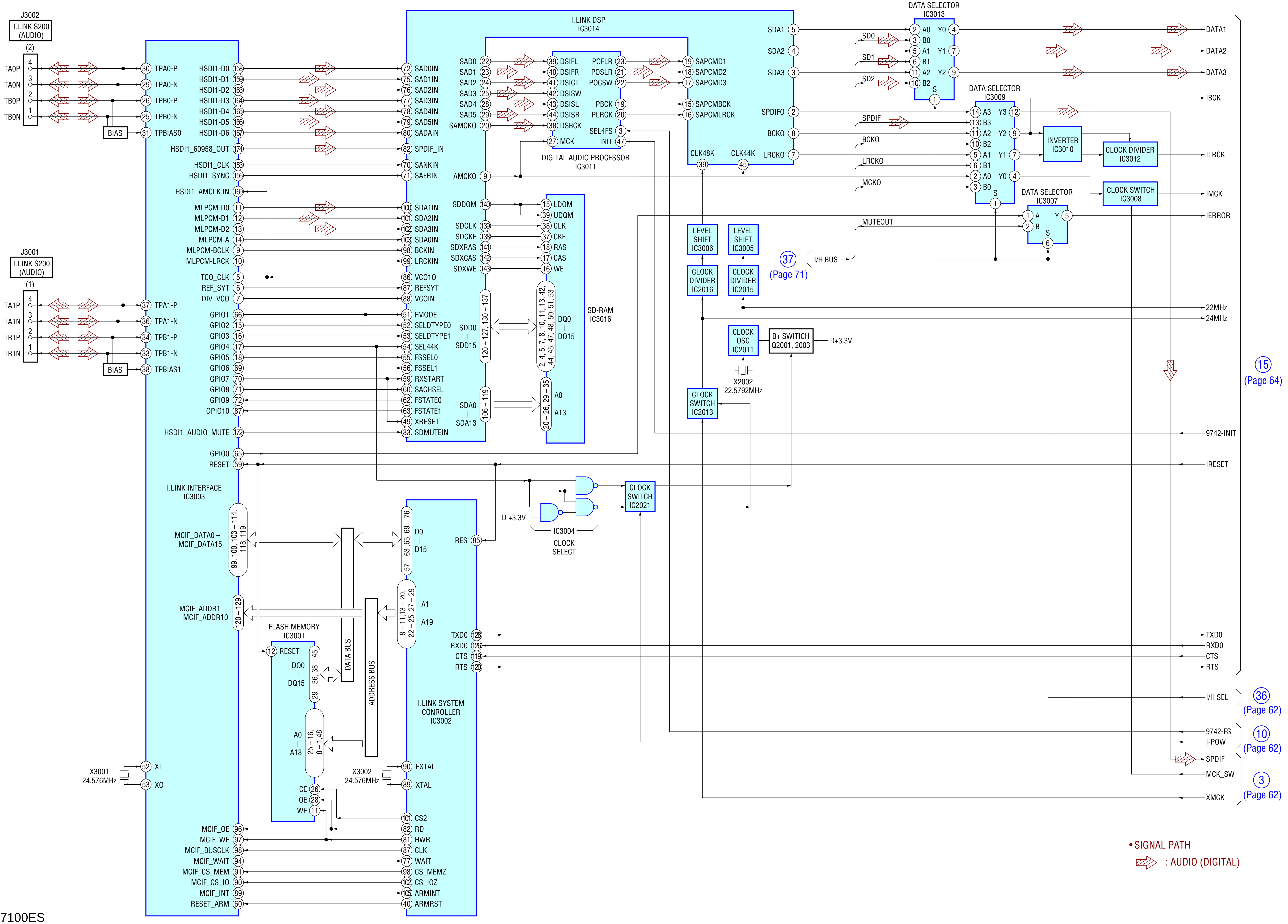
⇨ : AUDIO (ANALOG)


J605 (1/2)
PHONO IN
SA-CD/CD IN
L
R
R-CH
EQ AMP IC301
BUFFER IC611
J606 (1/2)
MD/DAT IN
TAPE IN
BUFFER IC613
BUFFER IC615
J607 (1/2)
TV/SAT AUDIO IN
DVD AUDIO IN
BUFFER IC616
BUFFER IC617
J608 (1/2)
VUDEO 2 AUDIO IN
VUDEO 1 AUDIO IN
BUFFER IC619
BUFFER IC621
J1002 (1/2)
VUDEO 3 INPUT AUDIO
BUFFER IC671
J601
FRONT
SURROUND
SURR BACK
MULTI CHANNEL INPUT
BUFFER IC322
BUFFER IC341
BUFFER IC362
J602
CENTER
SUB WOOFER
BUFFER IC381
INPUT SELECTOR IC401
17 PHONO
3 CD/SACD
40 CD/SACD
5 MD/DAT IN
38 MD/DAT IN
7 TAPE IN
36 TAPE IN
8 TV/SAT
35 TV/SAT
9 DVD/LD
34 DVD/LD
11 VIDEO2 IN
32 VIDEO2 IN
13 VIDEO1 IN
30 VIDEO1 IN
2 VIDEO3
41 VIDEO3
14 TUNER
29 TUNER
19 MULTI
24 SB
MD/DAT OUT 4
TAPE OUT 6
VIDEO2 OUT 10
VIDEO1 OUT 12
COM 15
COM 16
SB. OUT 27
2ND 25
2ND. OUT 28
DATA 22
CLK 21
LAT 23
DATA
CLK
LAT-F
BUFFER IC612
BUFFER IC614
BUFFER IC618
BUFFER IC620
J605 (2/2)
MD/DAT OUT
J606 (2/2)
TAPE OUT
J607 (2/2)
VIDEO 2 AUDIO OUT
J608 (2/2)
VIDEO 1 AUDIO OUT
LINE AMP IC321
LINE AMP IC361
FL
FR
SBL
SBR
SL
SR
C
SW
1
(Page 64)
2ND-RY
3RD-RY
34
(Page 62)
J609
LINE AMP IC643
LINE AMP IC653
2ND ZONE AUDIO OUT
3RD ZONE AUDIO OUT
RELAY DRIVE Q661
RY641
RELAY DRIVE Q651
RY651
INPUT SELECT IC601
3 CD/SACD
4 MD/DAT IN
5 TAPE IN
6 TV/SAT
7 DVD/LD
8 VIDEO2 IN
9 VIDEO1 IN
2 VIDEO3
10 TUNED
3RD AUDIO 12
DATA 15
CLK 14
LAT 16
DATA
CLK
LAT-F
AUCOM-DATA
AUCOM-CLK
FUNC-LAT
2
(Page 62)
33
(Page 62)
TU-L
LINE AMP IC2010

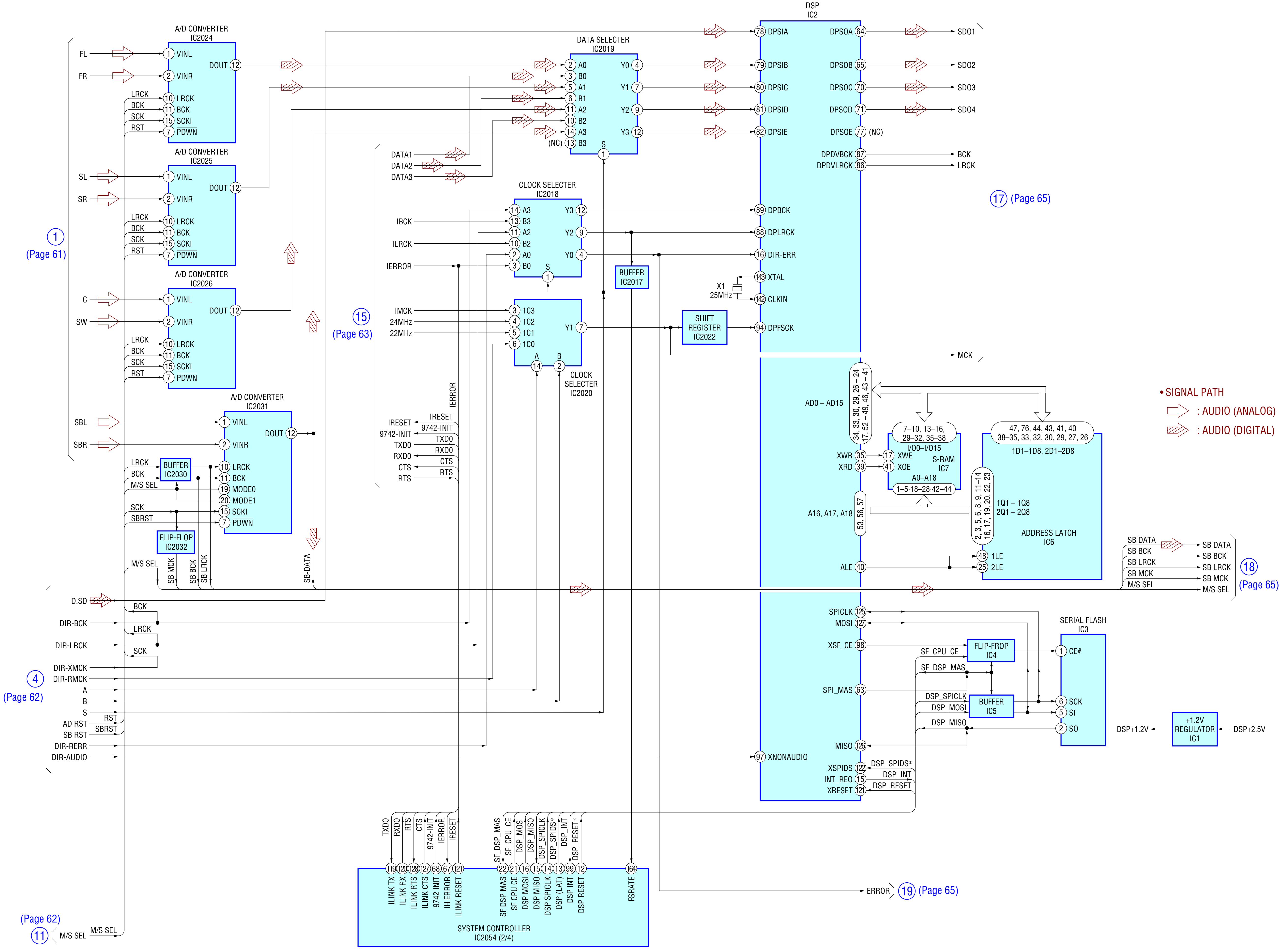
6-2. BLOCK DIAGRAM – CONTROL SECTION –


SPDIF
AND GATE IC2014
MCK_SW
XMCK
③ (Page 63)
• SIGNAL PATH
: AUDIO (ANALOG)
: AUDIO (DIGITAL)
MD/DAT OPTICAL OUT
OPTICAL TRANSCEIVER IC2004
INPUT SELECTOR IC2009
AND GATE IC2008
DIGITAL AUDIO INTERFACE IC2006
DVD OPTICAL IN
OPTICAL RECEIVER IC2001
TV/SAT OPTICAL IN
OPTICAL RECEIVER IC2002
MD/DAT OPTICAL IN
OPTICAL RECEIVER IC2003
SA-CD/CD OPTICAL IN
OPTICAL RECEIVER IC2005
DIGITAL ASSIGNABLE
D3
D1
D2
D0
D4
Y
A0
A1
A2
RXOUT
RX0
RX6/UI
RX4
RX3
RX2
XMCK
RMCK
RBCK
RLRCK
AUDIO/VO
RDATA
A
B
S
DIR-XMCK
DIR-RMCK
DIR-BCK
DIR-LRCK
DIR-AUDIO
D. SD
DIR-RERR
AD RST
SB RST
④ (Page 64)
X2001 24.576MHz
XIN
XOUT
LPF
D2002
DVD COAXIAL IN
J2002
TV/SAT COAXIAL IN
SA-CD/CD COAXIAL IN
J2001
WAVE SHAPER IC2007
DATA DECODER IC2012
QE
QF
QG
QH
QC
QD
QA
QB
CLK
LAT
OE
S-IN
PLL CLOCK SELECTOR Q2002, 2004, Q2005
RERR
DO
DI
CL
CE
CKST
XMODE
VIDEO 3 INPUT DIGITAL OPTICAL
OPTICAL RECEIVER IC1006
COM1-CLK
D-SEL-LAT
D-595OE
COM1-DAT
COM1-DAT
COM1-CLK
DIR CKST
ANA/DIGI
⑤ (Page 65)
CTL
⑥ (Page 70)
33 (Page 61)
TU-L
TUNER UNIT
TUN-LCH
TUN-RCH
R-CH
COM1 CLK
DO
COM1 DATA
CE
MUTE
TUNED
STEREO
RDS DATA
RDS-CLK
RDS SIGNAL
(AEP)
ANTENNA
FM 75W COAXIAL
AM
COM1-CLK
COM1-DAT
V595 LAT
V595 OE
COM2-CLK
COM2-DAT
COM1-DAT
COM1-CLK
DATA DECODER IC2044
TUNER DO
TUNER LAT
TUNED
STEREO
RDS DATA
RDS CLK
RDS SIGNAL
D595 LAT
D595 OE
DIR ERROR
DIR DO
DIR CE
DIR CKST
DIR XMODE
DATA0
AD/DA RESET
AD (SB) RESET
MAIN SYSTEM CONTROLLER IC2054 (1/4)
COM1 DAT
COM1 CLK
0595 LAT
COM2 DAT
COM2 CLK
PREVOL LAT
V595 LAT
V595 OE
FUNC LAT
BUFFER IC2046
HDMI TX
HDMI RX
HDMI RESET
T/A XRST
T/A XCS
T/A SO
DAC DO
DAC LAT
PREOUT RY
S-IN
CLK
LAT
OE
S-OUT
QH
QG
QF
QE
QC
QB
QA
QD
HP-RY
3RD-RY
2ND-RY
TRIG-3
TRIG-2
TRIG-1
⑧ (Page 67)
34 (Page 61)
35 (Page 70)
V-POW
H-POW
I-POW
I-POW
9742-FS
I/H SEL
M/S SEL
TEMP2
⑨ (Page 73)
⑩ (Page 63)
36 (Page 63)
⑪ (Page 64)
⑫ (Page 68)
DATA DECODER IC2045
FUNC-LAT
AUCOM-CLK
AUCOM-DATA
② (Page 61)
HDMI TX
HDMI RX
HDMI RESET
39 (Page 71)
T/A-XRST
T/A-XCS
T/A-SO
COM1-DAT
COM1-CLK
⑬ (Page 65)
DA DO
DA LAT
PREOUT-RY
DA RST
PREVOL-LAT
AUCOM-CLK
AUCOM-DATA
COM1-DAT
COM1-CLK
⑭ (Page 66)

6-3. BLOCK DIAGRAM – i.LINK SECTION –

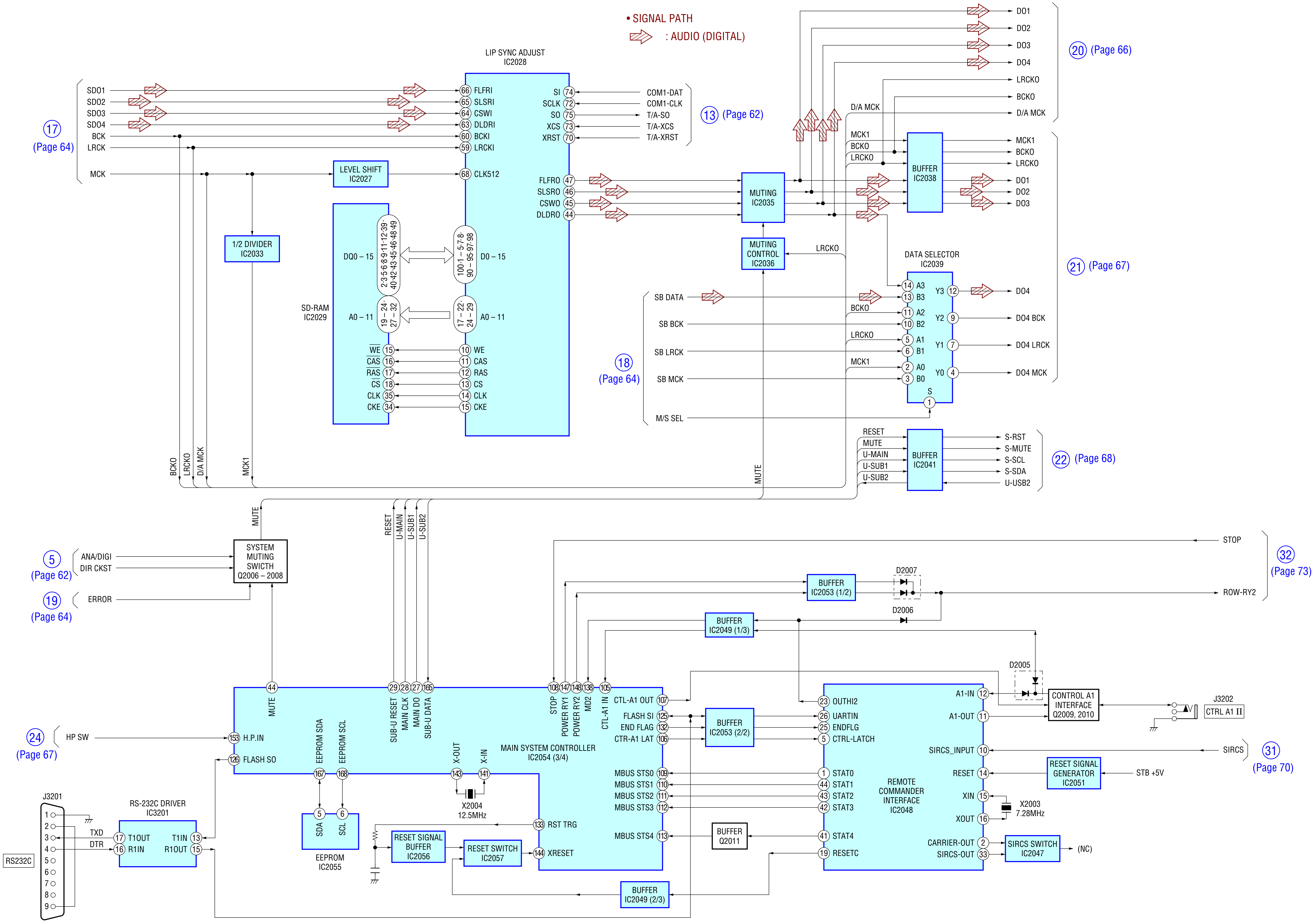

J3002
I.LINK S200 (AUDIO)
(2)
TA0P
TA0N
TB0P
TB0N
BIAS
J3001
I.LINK S200 (AUDIO)
(1)
TA1P
TA1N
TB1P
TB1N
BIAS
I.LINK INTERFACE
IC3003
TPA0-P
TPA0-N
TPB0-P
TPB0-N
TPBIAS0
TPA1-P
TPA1-N
TPB1-P
TPB1-N
TPBIAS1
HSDI1-D0
HSDI1-D1
HSDI1-D2
HSDI1-D3
HSDI1-D4
HSDI1-D5
HSDI1-D6
HSDI1_60958_OUT
HSDI1_CLK
HSDI1_SYNC
HSDI1_AMCLK IN
MLPCM-D0
MLPCM-D1
MLPCM-D2
MLPCM-A
MLPCM-BCLK
MLPCM-LRCK
TCO_CLK
REF_SYT
DIV_VCO
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
HSDI1_AUDIO_MUTE
GPIO0
RESET
MCIF_DATA0 – MCIF_DATA15
99, 100, 103 – 114, 118, 119
MCIF_ADDR1 – MCIF_ADDR10
120 – 129
X3001
24.576MHz
XI
XO
MCIF_OE
MCIF_WE
MCIF_BUSCLK
MCIF_WAIT
MCIF_CS_MEM
MCIF_CS_IO
MCIF_INT
RESET_ARM
I.LINK DSP
IC3014
SAD0IN
SAD1IN
SAD2IN
SAD3IN
SAD4IN
SAD5IN
SADAIN
SPDIF_IN
SANKIN
SAFRIN
SDA1IN
SDA2IN
SDA3IN
SDA0IN
BCKIN
LRCKIN
VCO10
REFSYT
VCOIN
FMODE
SELDTYPE0
SELDTYPE1
SEL44K
FSSEL0
FSSEL1
RXSTART
SACHSEL
FSTATE0
FSTATE1
XRESET
SDMUTEIN
SAD0
SAD1
SAD2
SAD3
SAD4
SAD5
SAMCKO
AMCKO
SDDQM
SDCLK
SDCKE
SDXRAS
SDXCAS
SDXWE
SDD0 – SDD15
120 – 127, 130 – 137
SDA0 – SDA13
106 – 119
SDA1
SDA2
SDA3
SPDIFO
BCKO
LRCKO
CLK48K
CLK44K
DSIFL
DSIFR
DSICT
DSISW
DSISL
DSISR
DSBCK
MCK
POFLR
POSLR
POCSW
PBCK
PLRCK
SEL4FS
INIT
SAPCMD1
SAPCMD2
SAPCMD3
SAPCMBCK
SAPCMLRCK
DIGITAL AUDIO PROCESSOR
IC3011
LDQM
UDQM
CLK
CKE
RAS
CAS
WE
DQ0 – DQ15
2, 4, 5, 7, 8, 10, 11, 13, 42, 44, 45, 47, 48, 50, 51, 53
A0 – A13
20 – 26, 29 – 35
SD-RAM
IC3016
DATA SELECTOR
IC3013
A0 Y0
B0
A1 Y1
B1
A2 Y2
B2
S
SD0
SD1
SD2
DATA1
DATA2
DATA3
DATA SELECTOR
IC3009
A3 Y3
B3
A2 Y2
B2
A1 Y1
B1
A0 Y0
B0
S
SPDIF
BCKO
LRCKO
MCKO
MUTEOUT
IBCK
INVERTER
IC3010
CLOCK DIVIDER
IC3012
ILRCK
CLOCK SWITCH
IC3008
IMCK
DATA SELECTOR
IC3007
A Y
B
S
IERROR
LEVEL SHIFT
IC3006
LEVEL SHIFT
IC3005
CLOCK DIVIDER
IC2016
CLOCK DIVIDER
IC2015
37
(Page 71)
I/H BUS
22MHz
24MHz
CLOCK OSC
IC2011
B+ SWITCH
Q2001, 2003
D+3.3V
X2002
22.5792MHz
CLOCK SWITCH
IC2013
15
(Page 64)
9742-INIT
IRESET
CLOCK SWITCH
IC2021
D +3.3V
IC3004
CLOCK SELECT
RES
D0 – D15
57 – 63, 65, 69 – 76
A1 – A19
8 – 11, 13 – 20, 22 – 25, 27 – 29
DATA BUS
ADDRESS BUS
FLASH MEMORY
IC3001
RESET
DQ0 – DQ15
29 – 36, 38 – 45
A0 – A18
25 – 16, 8 – 1, 48
CE
OE
WE
X3002
24.576MHz
EXTAL
XTAL
CS2
RD
HWR
CLK
WAIT
CS_MEMZ
CS_IOZ
ARMINT
ARMRST
TXD0
RXD0
CTS
RTS
I.LINK SYSTEM CONTROLLER
IC3002
I/H SEL
36
(Page 62)
9742-FS
I-POW
10
(Page 62)
SPDIF
MCK_SW
XMCK
3
(Page 62)
• SIGNAL PATH
: AUDIO (DIGITAL)

6-4. BLOCK DIAGRAM – DSP SECTION –

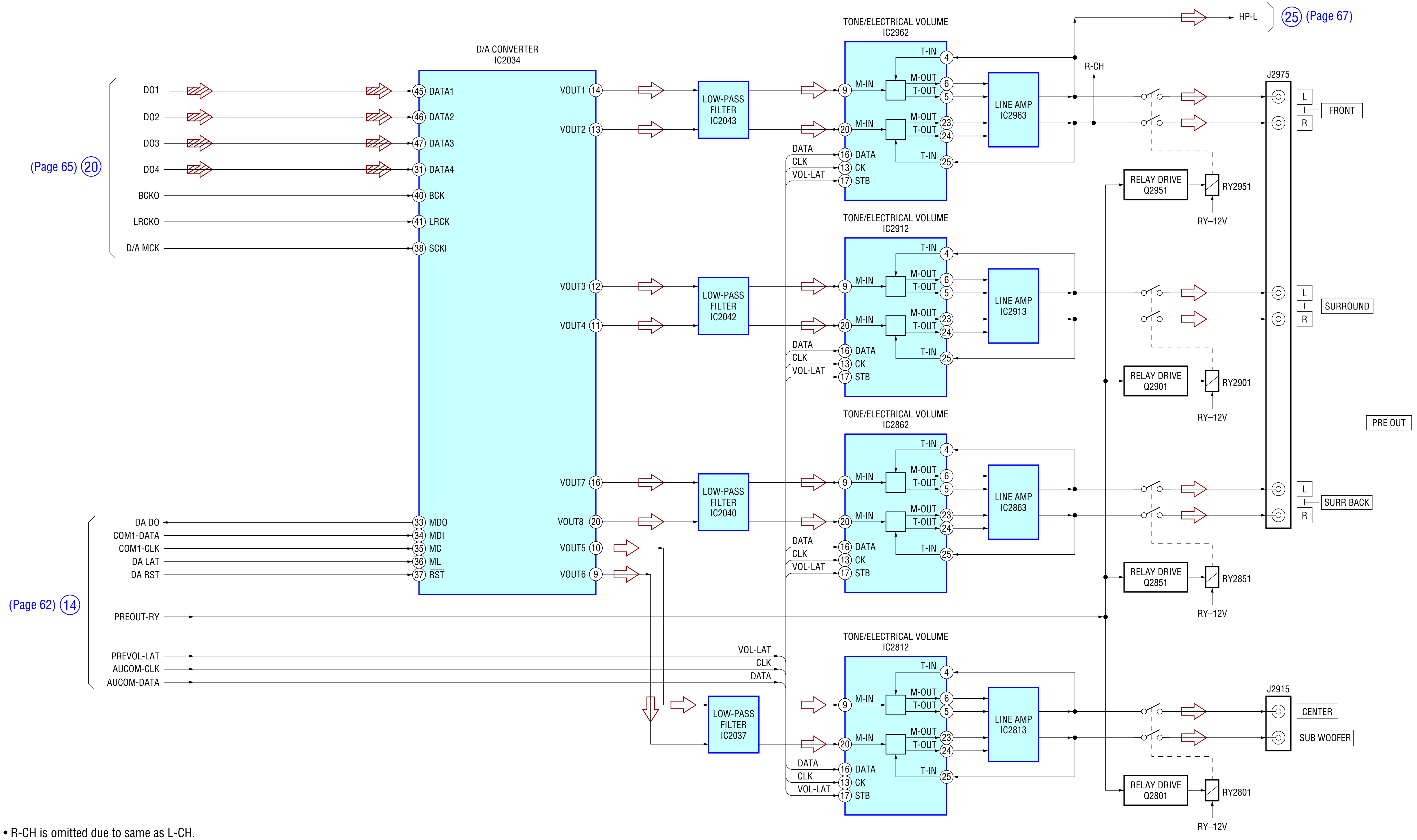


A/D CONVERTER
IC2024
FL
FR
1 VINL
2 VINR
DOUT 12
LRCK
BCK
SCK
RST
10 LRCK
11 BCK
15 SCKI
7 PDWN
A/D CONVERTER
IC2025
SL
SR
A/D CONVERTER
IC2026
C
SW
A/D CONVERTER
IC2031
SBL
SBR
BUFFER
IC2030
M/S SEL
19 MODE0
20 MODE1
SBRST
FLIP-FLOP
IC2032
SB MCK
SB BCK
SB LRCK
SB-DATA
1
(Page 61)
D.SD
DIR-BCK
DIR-LRCK
DIR-XMCK
DIR-RMCK
A
B
S
AD RST
SB RST
DIR-RERR
DIR-AUDIO
SBRST
4
(Page 62)
(Page 62)
11
M/S SEL
DATA SELECTER
IC2019
2 A0
3 B0
5 A1
6 B1
11 A2
10 B2
14 A3
(NC) 13 B3
S
Y0 4
Y1 7
Y2 9
Y3 12
DATA1
DATA2
DATA3
CLOCK SELECTER
IC2018
IBCK
ILRCK
IERROR
14 A3
13 B3
11 A2
10 B2
2 A0
3 B0
Y3 12
Y2 9
Y0 4
BUFFER
IC2017
IMCK
24MHz
22MHz
3 1C3
4 1C2
5 1C1
6 1C0
Y1 7
A
B
CLOCK
SELECTER
IC2020
SHIFT
REGISTER
IC2022
X1
25MHz
15
(Page 63)
IERROR
IRESET
9742-INIT
TXD0
RXD0
CTS
RTS
DSP
IC2
78 DPSIA
79 DPSIB
80 DPSIC
81 DPSID
82 DPSIE
DPSOA 64
DPSOB 65
DPSOC 70
DPSOD 71
DPSOE 77 (NC)
DPDVBCK 87
DPDVLRCK 86
89 DPBCK
88 DPLRCK
16 DIR-ERR
143 XTAL
142 CLKIN
94 DPFSCK
SDO1
SDO2
SDO3
SDO4
BCK
LRCK
MCK
17
(Page 65)
AD0 – AD15
34, 33, 30, 29, 26 – 24
17, 52 – 49, 46, 43 – 41
XWR 35
XRD 39
7–10, 13–16,
29–32, 35–38
I/O0–I/O15
17 XWE
41 XOE
S-RAM
IC7
A0–A18
1–5·18–28·42–44
47, 76, 44, 43, 41, 40
38–35, 33, 32, 30, 29, 27, 26
1D1–1D8, 2D1–2D8
A16, A17, A18
53, 56, 57
2, 3, 5, 6, 8, 9, 11–14
16, 17, 19, 20, 22, 23
1Q1 – 1Q8
2Q1 – 2Q8
ADDRESS LATCH
IC6
ALE 40
48 1LE
25 2LE
SB DATA
SB BCK
SB LRCK
SB MCK
M/S SEL
18
(Page 65)
• SIGNAL PATH
: AUDIO (ANALOG)
: AUDIO (DIGITAL)
SPICLK 125
MOSI 127
XSF_CE 98
SPI_MAS 63
MISO 126
97 XNONAUDIO
XSPIDS 122
INT_REQ 15
XRESET 121
SF_CPU_CE
SF_DSP_MAS
FLIP-FROP
IC4
DSP_SPICLK
DSP_MOSI
DSP_MISO
BUFFER
IC5
DSP_SPIDS
DSP_INT
DSP_RESET
SERIAL FLASH
IC3
1 CE#
6 SCK
5 SI
2 SO
DSP+1.2V
+1.2V
REGULATOR
IC1
DSP+2.5V
TXDO
RXDO
RTS
CTS
9742-INIT
IERROR
IRESET
SF_DSP_MAS
SF_CPU_CE
DSP_MOSI
DSP_MISO
DSP_SPICLK
DSP_SPIDS
DSP_INT
DSP_RESET
119 120 128 127 68 67 121
22 21 16 15 14 13 99 12
164
ILINK TX
ILINK RX
ILINK RTS
ILINK CTS
9742 INIT
IH ERROR
ILINK RESET
SF DSP MAS
SF CPU CE
DSP MOSI
DSP MISO
DSP SPICLK
DSP (LAT)
DSP INT
DSP RESET
FSRATE
SYSTEM CONTROLLER
IC2054 (2/4)
ERROR
19
(Page 65)

6-5. BLOCK DIAGRAM – DIGITAL AUDIO SECTION –


• SIGNAL PATH
: AUDIO (DIGITAL)
LIP SYNC ADJUST
IC2028
SDO1
SDO2
SDO3
SDO4
BCK
LRCK
MCK
17
(Page 64)
FLFRI
SLSRI
CSWI
DLDRI
BCKI
LRCKI
CLK512
SI
SCLK
SO
XCS
XRST
COM1-DAT
COM1-CLK
T/A-SO
T/A-XCS
T/A-XRST
13
(Page 62)
LEVEL SHIFT
IC2027
1/2 DIVIDER
IC2033
SD-RAM
IC2029
DQ0 – 15
A0 – 11
D0 – 15
A0 – 11
WE
CAS
RAS
CS
CLK
CKE
FLFRO
SLSRO
CSWO
DLDRO
MUTING
IC2035
MUTING
CONTROL
IC2036
LRCKO
BUFFER
IC2038
D/A MCK
MCK1
BCKO
LRCKO
DO1
DO2
DO3
DO4
LRCKO
BCKO
D/A MCK
20
(Page 66)
DATA SELECTOR
IC2039
A3
B3
A2
B2
A1
B1
A0
B0
Y3
Y2
Y1
Y0
S
D04
D04 BCK
D04 LRCK
D04 MCK
21
(Page 67)
SB DATA
SB BCK
SB LRCK
SB MCK
M/S SEL
18
(Page 64)
RESET
MUTE
U-MAIN
U-SUB1
U-SUB2
BUFFER
IC2041
S-RST
S-MUTE
S-SCL
S-SDA
U-USB2
22
(Page 68)
BCKO
LRCKO
D/A MCK
MCK1
MUTE
MUTE
RESET
U-MAIN
U-SUB1
U-SUB2
SYSTEM
MUTING
SWICTH
Q2006 – 2008
5
(Page 62)
ANA/DIGI
DIR CKST
19
(Page 64)
ERROR
STOP
ROW-RY2
32
(Page 73)
BUFFER
IC2053 (1/2)
D2007
D2006
BUFFER
IC2049 (1/3)
D2005
24
(Page 67)
HP SW
H.P.IN
FLASH SO
MUTE
EEPROM SDA
EEPROM SCL
SUB-U RESET
MAIN CLK
MAIN DO
SUB-U DATA
X-OUT
X-IN
STOP
POWER RY1
POWER RY2
MD2
CTL-A1 IN
MAIN SYSTEM CONTROLLER
IC2054 (3/4)
CTL-A1 OUT
FLASH SI
END FLAG
CTR-A1 LAT
MBUS STS0
MBUS STS1
MBUS STS2
MBUS STS3
MBUS STS4
RST TRG
XRESET
X2004
12.5MHz
BUFFER
IC2053 (2/2)
BUFFER
Q2011
REMOTE
COMMANDER
INTERFACE
IC2048
OUTHI2
UARTIN
ENDFLG
CTRL-LATCH
STAT0
STAT1
STAT2
STAT3
STAT4
RESETC
A1-IN
A1-OUT
SIRCS_INPUT
RESET
XIN
XOUT
CARRIER-OUT
SIRCS-OUT
CONTROL A1
INTERFACE
Q2009, 2010
J3202
CTRL A1 II
SIRCS
31
(Page 70)
RESET SIGNAL
GENERATOR
IC2051
STB +5V
X2003
7.28MHz
SIRCS SWITCH
IC2047
(NC)
J3201
RS232C
RS-232C DRIVER
IC3201
TXD
DTR
T1OUT
R1IN
T1IN
R1OUT
EEPROM
IC2055
SDA
SCL
RESET SIGNAL
BUFFER
IC2056
RESET SWITCH
IC2057
BUFFER
IC2049 (2/3)

6-6. BLOCK DIAGRAM – AUDIO OUTPUT SECTION –



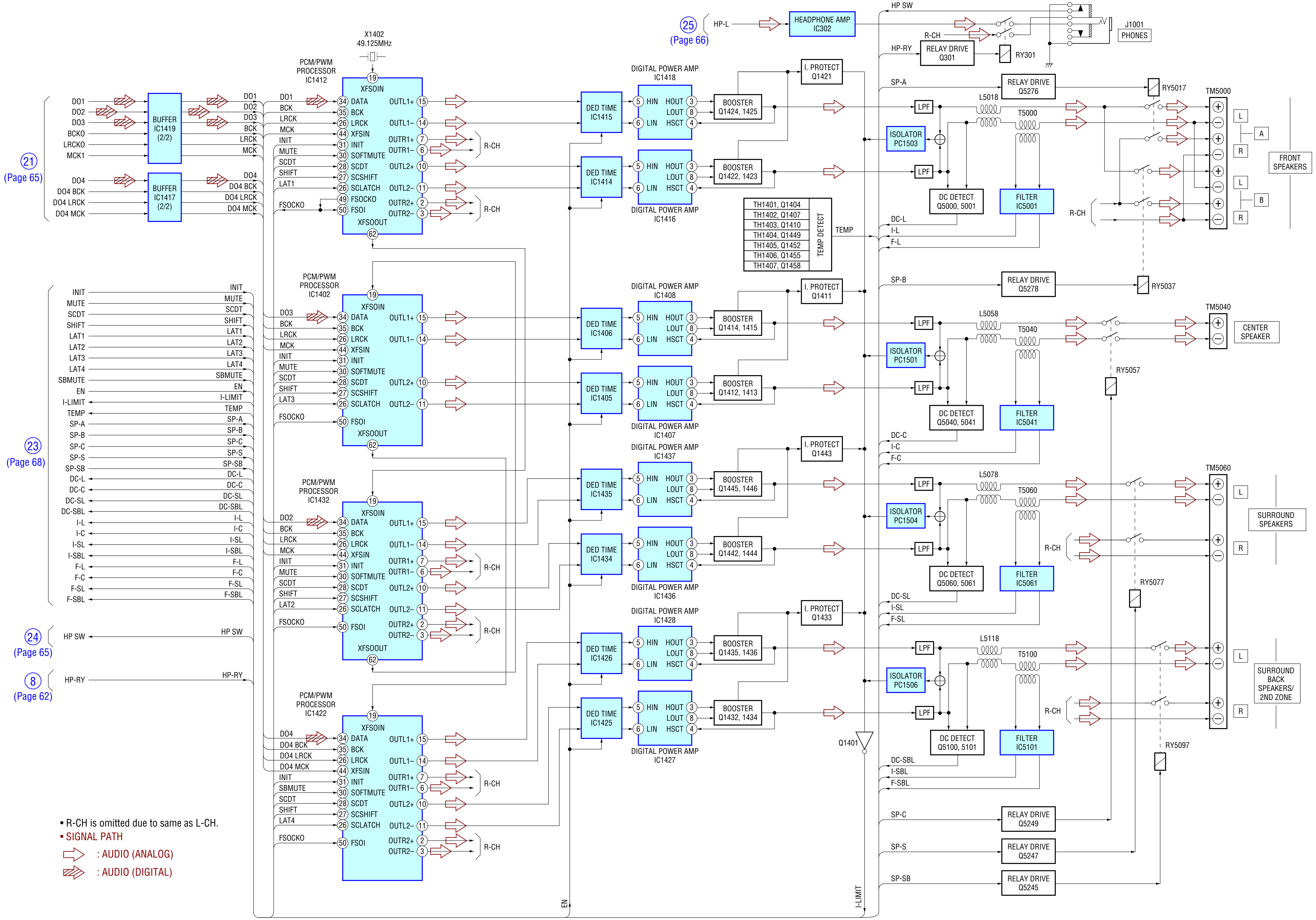
(Page 65) 20
DO1
DO2
DO3
DO4
BCKO
LRCKO
D/A MCK
D/A CONVERTER
IC2034
45 DATA1
46 DATA2
47 DATA3
31 DATA4
40 BCK
41 LRCK
38 SCKI
33 MDO
34 MDI
35 MC
36 ML
37 RST
VOUT1 14
VOUT2 13
VOUT3 12
VOUT4 11
VOUT7 16
VOUT8 20
VOUT5 10
VOUT6 9
(Page 62) 14
DA DO
COM1-DATA
COM1-CLK
DA LAT
DA RST
PREOUT-RY
PREVOL-LAT
AUCOM-CLK
AUCOM-DATA
VOL-LAT
CLK
DATA
LOW-PASS FILTER IC2043
LOW-PASS FILTER IC2042
LOW-PASS FILTER IC2040
LOW-PASS FILTER IC2037
TONE/ELECTRICAL VOLUME IC2962
TONE/ELECTRICAL VOLUME IC2912
TONE/ELECTRICAL VOLUME IC2862
TONE/ELECTRICAL VOLUME IC2812
9 M-IN
20 M-IN
16 DATA
13 CK
17 STB
T-IN 4
M-OUT 6
T-OUT 5
M-OUT 23
T-OUT 24
T-IN 25
DATA
CLK
VOL-LAT
LINE AMP IC2963
LINE AMP IC2913
LINE AMP IC2863
LINE AMP IC2813
HP-L
25 (Page 67)
R-CH
J2975
L
R
FRONT
SURROUND
SURR BACK
PRE OUT
J2915
CENTER
SUB WOOFER
RELAY DRIVE Q2951
RELAY DRIVE Q2901
RELAY DRIVE Q2851
RELAY DRIVE Q2801
RY2951
RY2901
RY2851
RY2801
RY–12V

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

⇨ : AUDIO (ANALOG)

▨ : AUDIO (DIGITAL)

6-7. BLOCK DIAGRAM – POWER AMP SECTION –

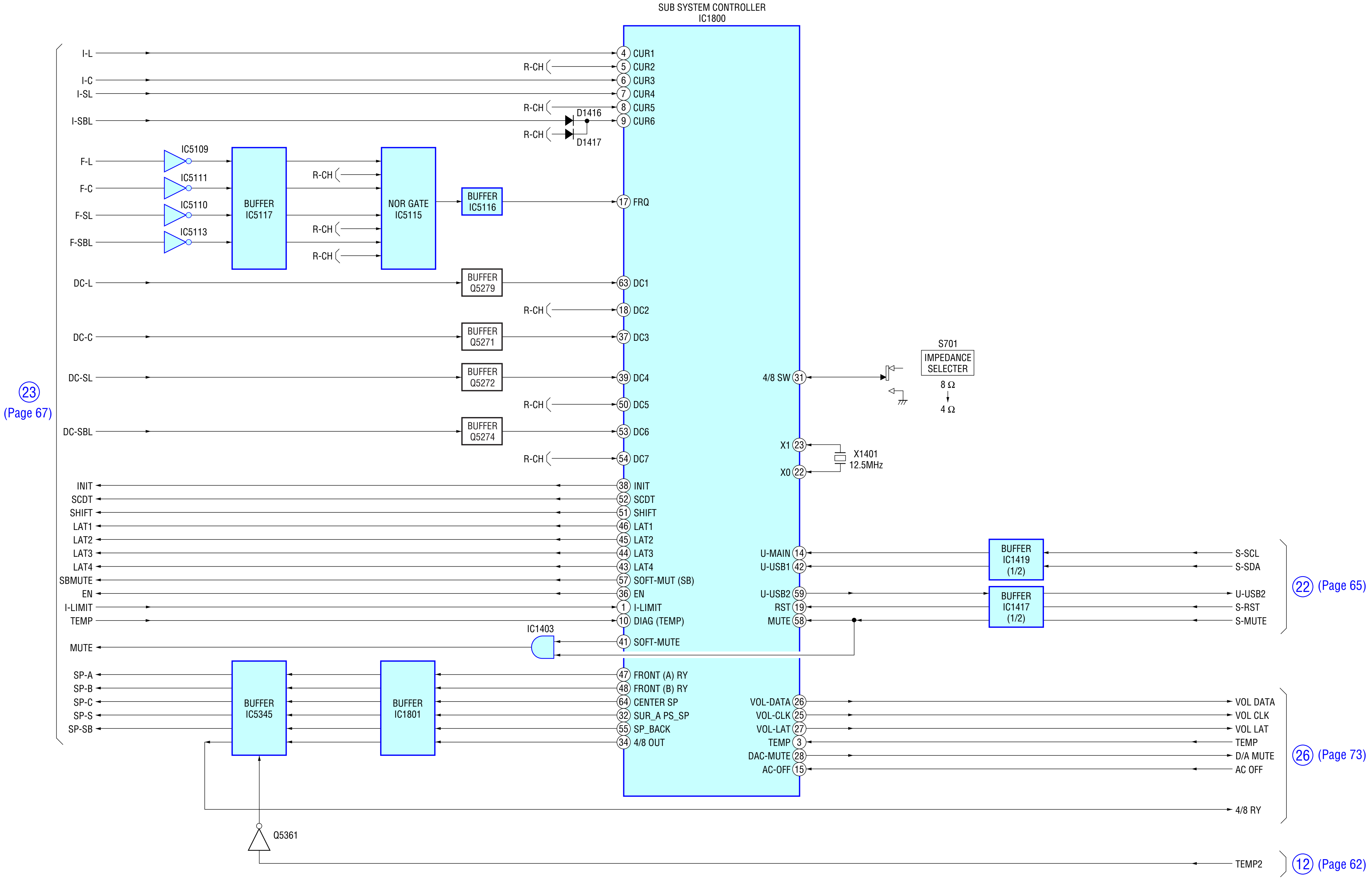

21 (Page 65)
23 (Page 68)
24 (Page 65)
8 (Page 62)
25 (Page 66)
BUFFER IC1419 (2/2)
BUFFER IC1417 (2/2)
PCM/PWM PROCESSOR IC1412
PCM/PWM PROCESSOR IC1402
PCM/PWM PROCESSOR IC1432
PCM/PWM PROCESSOR IC1422
X1402 49.125MHz
XFSOIN
XFSOUT
DATA
BCK
LRCK
XFSIN
INIT
SOFTMUTE
SCDT
SCSHIFT
SCLATCH
FSOCKO
FSOI
OUTL1+
OUTL1–
OUTR1+
OUTR1–
OUTL2+
OUTL2–
OUTR2+
OUTR2–
R-CH
DED TIME IC1415
DED TIME IC1414
DED TIME IC1406
DED TIME IC1405
DED TIME IC1435
DED TIME IC1434
DED TIME IC1426
DED TIME IC1425
DIGITAL POWER AMP IC1418
DIGITAL POWER AMP IC1416
DIGITAL POWER AMP IC1408
DIGITAL POWER AMP IC1407
DIGITAL POWER AMP IC1437
DIGITAL POWER AMP IC1436
DIGITAL POWER AMP IC1428
DIGITAL POWER AMP IC1427
HIN
LIN
HOUT
LOUT
HSCT
BOOSTER Q1424, 1425
BOOSTER Q1422, 1423
BOOSTER Q1414, 1415
BOOSTER Q1412, 1413
BOOSTER Q1445, 1446
BOOSTER Q1442, 1444
BOOSTER Q1435, 1436
BOOSTER Q1432, 1434
I. PROTECT Q1421
I. PROTECT Q1411
I. PROTECT Q1443
I. PROTECT Q1433
TH1401, Q1404
TH1402, Q1407
TH1403, Q1410
TH1404, Q1449
TH1405, Q1452
TH1406, Q1455
TH1407, Q1458
TEMP DETECT
TEMP
Q1401
EN
I-LIMIT
HP-L
HEADPHONE AMP IC302
HP SW
HP-RY
RELAY DRIVE Q301
RY301
J1001 PHONES
SP-A
SP-B
SP-C
SP-S
SP-SB
RELAY DRIVE Q5276
RELAY DRIVE Q5278
RELAY DRIVE Q5249
RELAY DRIVE Q5247
RELAY DRIVE Q5245
RY5017
RY5037
RY5057
RY5077
RY5097
LPF
ISOLATOR PC1503
ISOLATOR PC1501
ISOLATOR PC1504
ISOLATOR PC1506
L5018
L5058
L5078
L5118
T5000
T5040
T5060
T5100
DC DETECT Q5000, 5001
DC DETECT Q5040, 5041
DC DETECT Q5060, 5061
DC DETECT Q5100, 5101
FILTER IC5001
FILTER IC5041
FILTER IC5061
FILTER IC5101
DC-L
DC-C
DC-SL
DC-SBL
I-L
I-C
I-SL
I-SBL
F-L
F-C
F-SL
F-SBL
TM5000
TM5040
TM5060
FRONT SPEAKERS
CENTER SPEAKER
SURROUND SPEAKERS
SURROUND BACK SPEAKERS/ 2ND ZONE
A
B
L
R

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

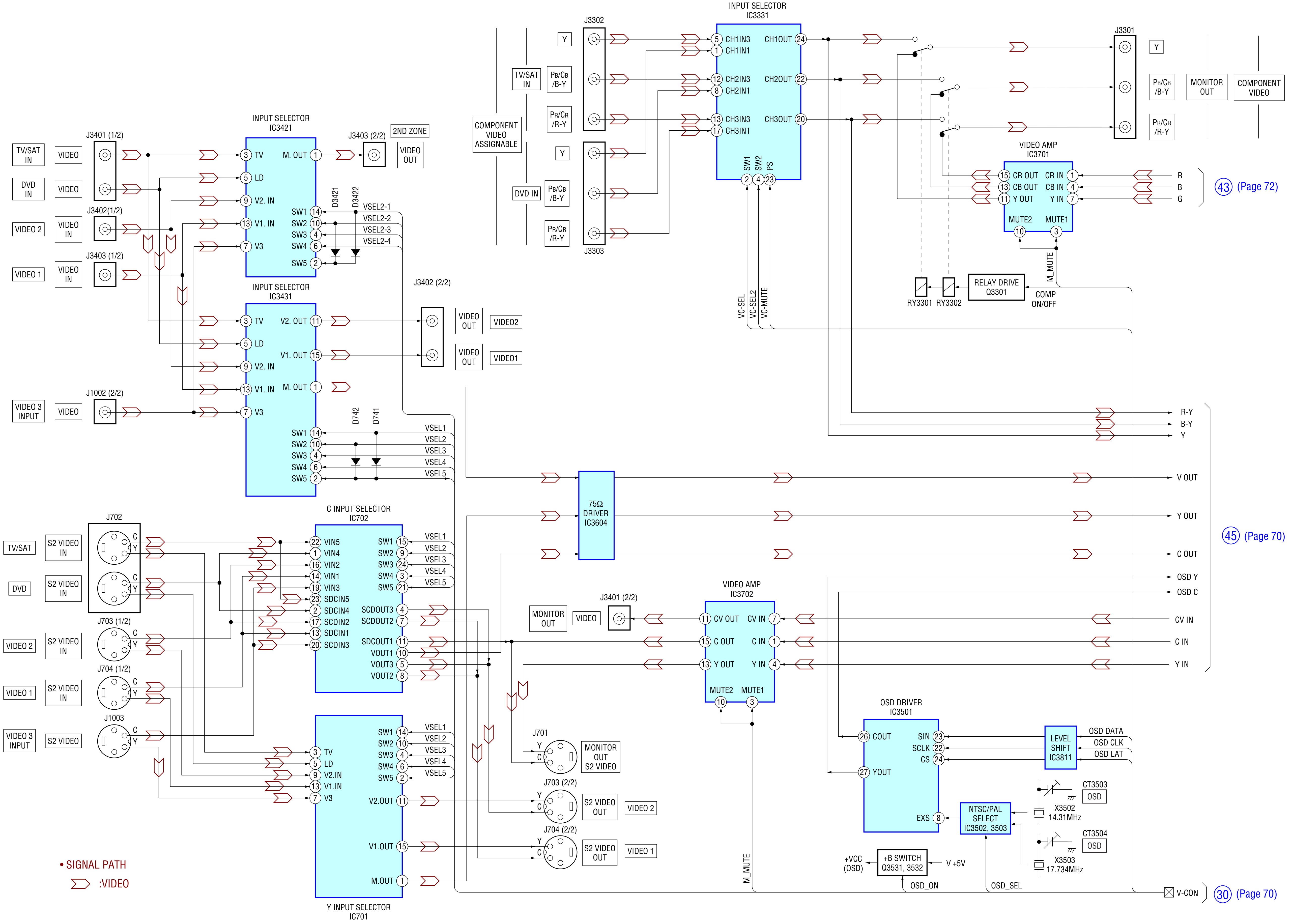
⇨ : AUDIO (ANALOG)

▨ : AUDIO (DIGITAL)

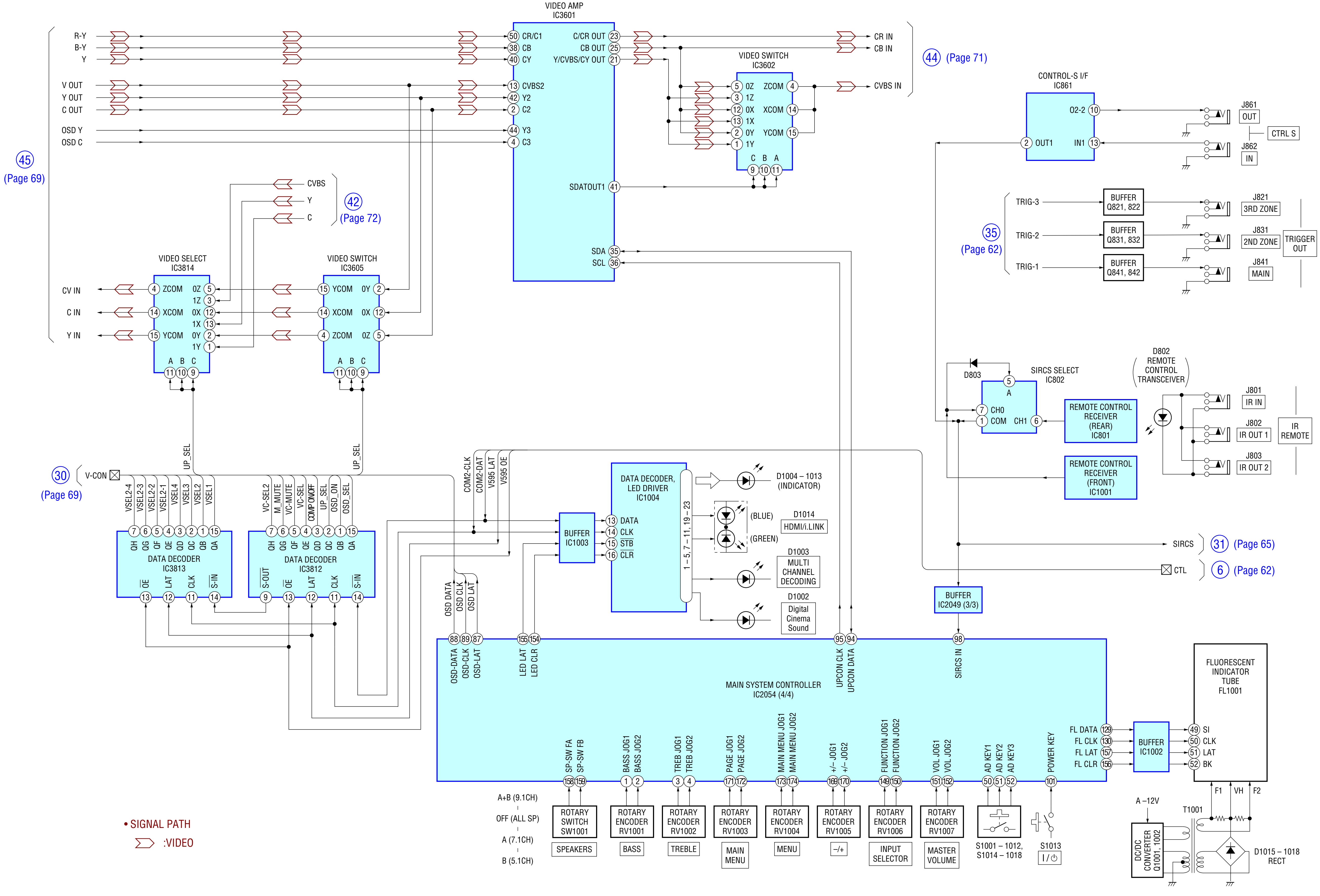
6-8. BLOCK DIAGRAM – SUB SECTION –


SUB SYSTEM CONTROLLER
IC1800
I-L
R-CH
I-C
I-SL
R-CH
I-SBL
R-CH
D1416
D1417
CUR1 4
CUR2 5
CUR3 6
CUR4 7
CUR5 8
CUR6 9
F-L
F-C
F-SL
F-SBL
IC5109
IC5111
IC5110
IC5113
BUFFER
IC5117
R-CH
NOR GATE
IC5115
BUFFER
IC5116
17 FRQ
DC-L
BUFFER
Q5279
63 DC1
R-CH
18 DC2
DC-C
BUFFER
Q5271
37 DC3
DC-SL
BUFFER
Q5272
39 DC4
50 DC5
DC-SBL
BUFFER
Q5274
53 DC6
54 DC7
4/8 SW 31
S701
IMPEDANCE
SELECTER
8 Ω
4 Ω
X1 23
X0 22
X1401
12.5MHz
23
(Page 67)
INIT
SCDT
SHIFT
LAT1
LAT2
LAT3
LAT4
SBMUTE
EN
I-LIMIT
TEMP
38 INIT
52 SCDT
51 SHIFT
46 LAT1
45 LAT2
44 LAT3
43 LAT4
57 SOFT-MUT (SB)
36 EN
1 I-LIMIT
10 DIAG (TEMP)
IC1403
MUTE
41 SOFT-MUTE
U-MAIN 14
U-USB1 42
U-USB2 59
RST 19
MUTE 58
BUFFER
IC1419
(1/2)
BUFFER
IC1417
(1/2)
S-SCL
S-SDA
U-USB2
S-RST
S-MUTE
22
(Page 65)
SP-A
SP-B
SP-C
SP-S
SP-SB
BUFFER
IC5345
BUFFER
IC1801
47 FRONT (A) RY
48 FRONT (B) RY
64 CENTER SP
32 SUR_A PS_SP
55 SP_BACK
34 4/8 OUT
VOL-DATA 26
VOL-CLK 25
VOL-LAT 27
TEMP 3
DAC-MUTE 28
AC-OFF 15
VOL DATA
VOL CLK
VOL LAT
TEMP
D/A MUTE
AC OFF
4/8 RY
26
(Page 73)
Q5361
TEMP2
12
(Page 62)

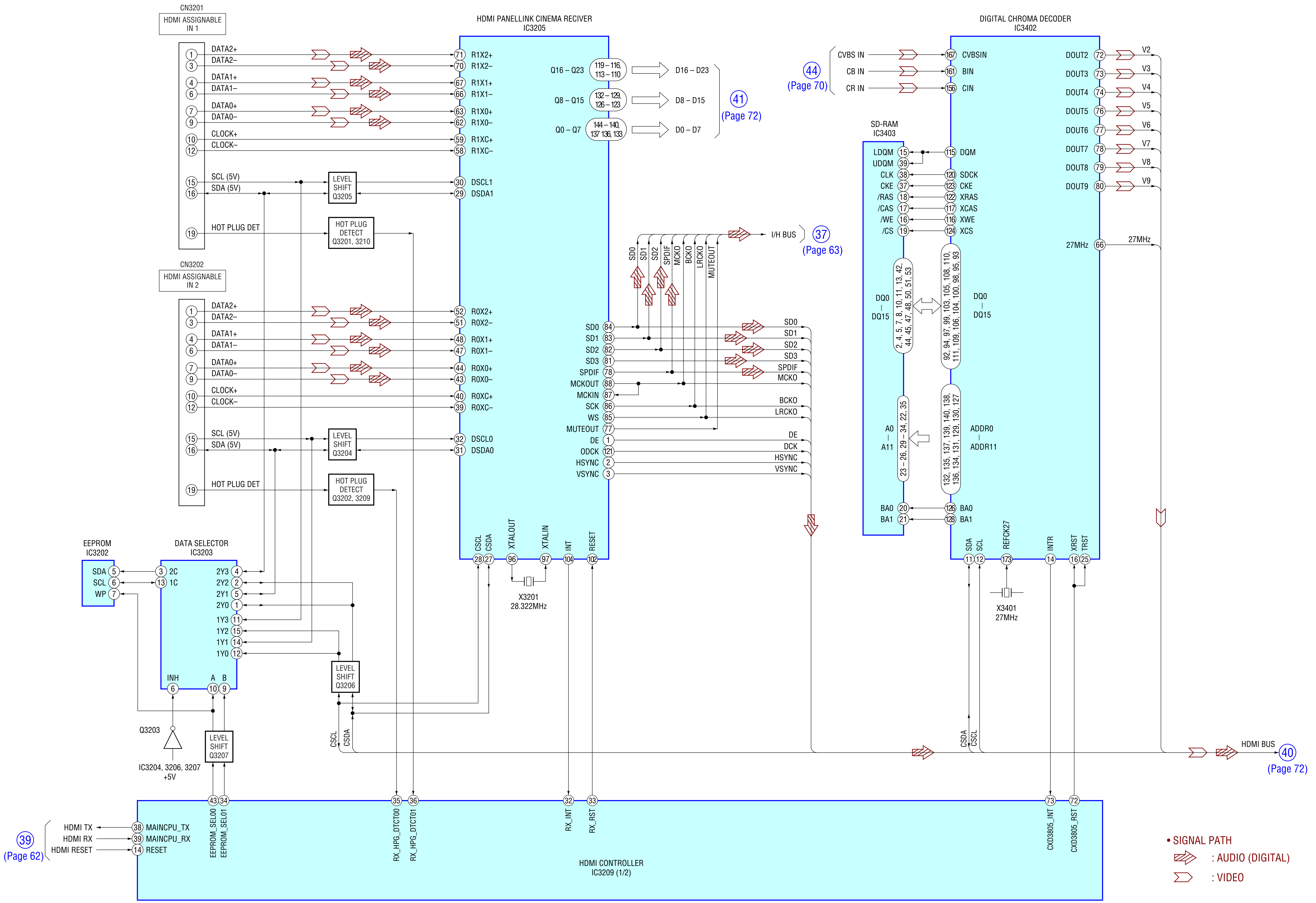
6-9. BLOCK DIAGRAM – VIDEO INPUT SECTION –


INPUT SELECTOR IC3421
INPUT SELECTOR IC3431
INPUT SELECTOR IC3331
C INPUT SELECTOR IC702
Y INPUT SELECTOR IC701
VIDEO AMP IC3701
VIDEO AMP IC3702
75Ω DRIVER IC3604
OSD DRIVER IC3501
LEVEL SHIFT IC3811
NTSC/PAL SELECT IC3502, 3503
RELAY DRIVE Q3301
+B SWITCH Q3531, 3532
J3401 (1/2)
J3401 (2/2)
J3402(1/2)
J3402 (2/2)
J3403 (1/2)
J3403 (2/2)
J1002 (2/2)
J3301
J3302
J3303
J702
J703 (1/2)
J703 (2/2)
J704 (1/2)
J704 (2/2)
J1003
J701
TV/SAT IN
DVD IN
VIDEO 2
VIDEO 1
VIDEO 3 INPUT
VIDEO IN
VIDEO OUT
2ND ZONE
VIDEO02
VIDEO01
S2 VIDEO IN
S2 VIDEO
S2 VIDEO OUT
MONITOR OUT
COMPONENT VIDEO ASSIGNABLE
COMPONENT VIDEO
PB/CB /B-Y
PR/CR /R-Y
TV, LD, V2. IN, V1. IN, V3
M. OUT
V2. OUT
V1. OUT
SW1, SW2, SW3, SW4, SW5
VSEL1, VSEL2, VSEL3, VSEL4, VSEL5
VSEL2-1, VSEL2-2, VSEL2-3, VSEL2-4
D3421, D3422
D742, D741
CH1IN3, CH1IN1, CH2IN3, CH2IN1, CH3IN3, CH3IN1
CH1OUT, CH2OUT, CH3OUT
SW1, SW2, PS
VC-SEL, VC-SEL2, VC-MUTE
CR OUT, CB OUT, Y OUT, CR IN, CB IN, Y IN
MUTE2, MUTE1
M_MUTE
RY3301, RY3302
COMP ON/OFF
R, B, G
43 (Page 72)
R-Y, B-Y, Y
V OUT, Y OUT, C OUT
OSD Y, OSD C
CV IN, C IN, Y IN
45 (Page 70)
VIN5, VIN4, VIN2, VIN1, VIN3
SDCIN5, SDCIN4, SDCIN2, SDCIN1, SDCIN3
SDCOUT3, SDCOUT2, SDCOUT1
VOUT1, VOUT3, VOUT2
CV OUT, C OUT, Y OUT
COUT, YOUT, SIN, SCLK, CS, EXS
OSD DATA, OSD CLK, OSD LAT
CT3503 OSD
CT3504 OSD
X3502 14.31MHz
X3503 17.734MHz
+VCC (OSD)
V +5V
OSD_ON
OSD_SEL
V-CON
30 (Page 70)
• SIGNAL PATH
:VIDEO

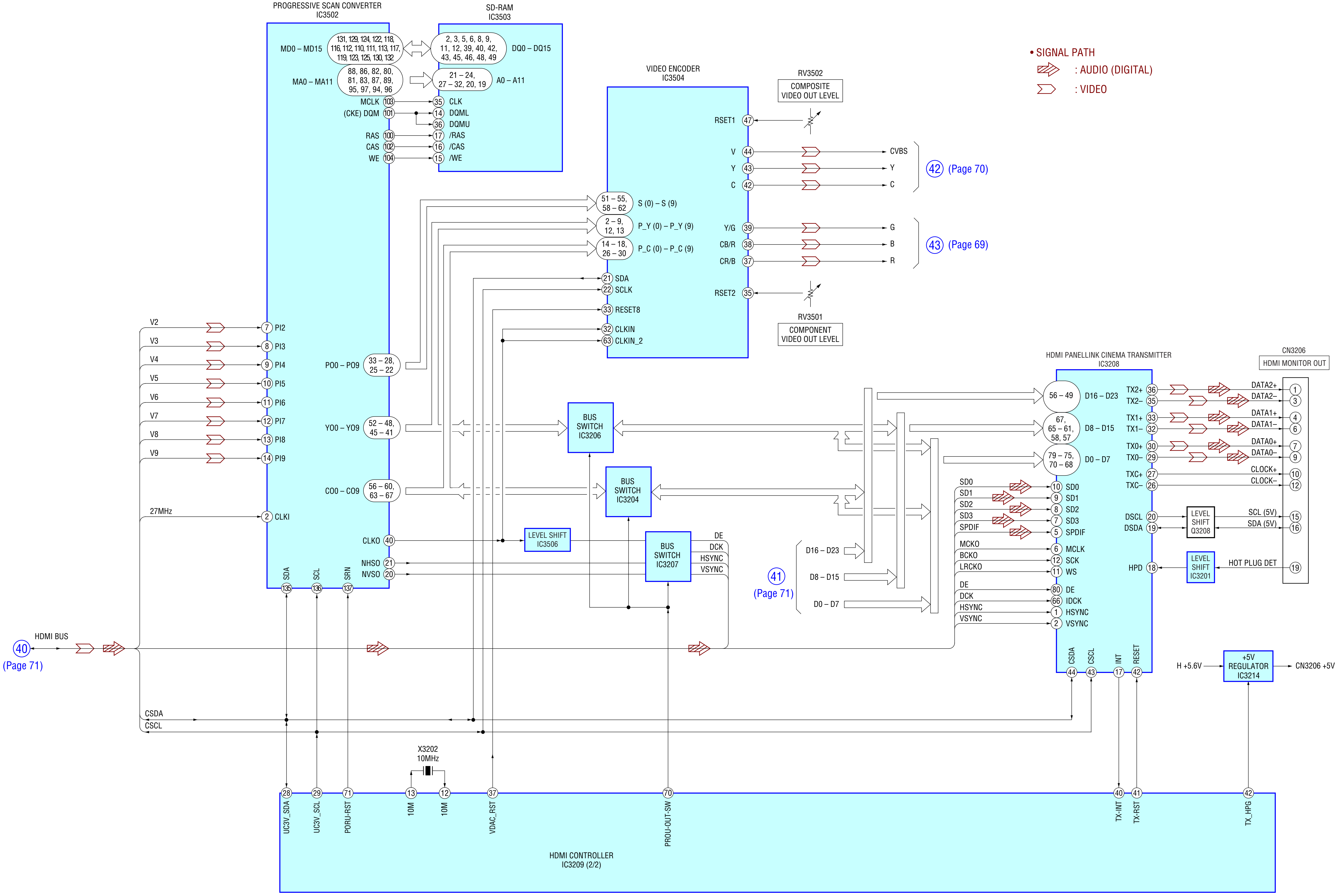
6-10. BLOCK DIAGRAM – CIS DISPLAY SECTION –


R-Y
B-Y
Y
V OUT
Y OUT
C OUT
OSD Y
OSD C
45
(Page 69)
VIDEO AMP
IC3601
CR/C1
CB
CY
CVBS2
Y2
C2
Y3
C3
C/CR OUT
CB OUT
Y/CVBS/CY OUT
SDATOUT1
SDA
SCL
CR IN
CB IN
CVBS IN
44
(Page 71)
VIDEO SWITCH
IC3602
0Z
1Z
0X
1X
0Y
1Y
ZCOM
XCOM
YCOM
C B A
CONTROL-S I/F
IC861
O2-2
OUT1
IN1
J861
OUT
J862
IN
CTRL S
CVBS
Y
C
42
(Page 72)
VIDEO SELECT
IC3814
VIDEO SWITCH
IC3605
CV IN
C IN
Y IN
ZCOM
XCOM
YCOM
A B C
UP_SEL
TRIG-3
TRIG-2
TRIG-1
35
(Page 62)
BUFFER
Q821, 822
BUFFER
Q831, 832
BUFFER
Q841, 842
J821
3RD ZONE
J831
2ND ZONE
J841
MAIN
TRIGGER
OUT
D802
REMOTE
CONTROL
TRANSCEIVER
D803
SIRCS SELECT
IC802
CH0
COM
CH1
REMOTE CONTROL
RECEIVER
(REAR)
IC801
REMOTE CONTROL
RECEIVER
(FRONT)
IC1001
J801
IR IN
J802
IR OUT 1
J803
IR OUT 2
IR
REMOTE
30
(Page 69)
V-CON
VSEL2-4
VSEL2-3
VSEL2-2
VSEL2-1
VSEL4
VSEL3
VSEL2
VSEL1
VC-SEL2
M_MUTE
VC-MUTE
VC-SEL
COMP ON/OFF
UP_SEL
OSD_ON
OSD_SEL
QH QG QF QE QD QC QB QA
DATA DECODER
IC3813
DATA DECODER
IC3812
OE
LAT
CLK
S-IN
S-OUT
COM2-CLK
COM2-DAT
V595 LAT
V595 OE
BUFFER
IC1003
DATA DECODER,
LED DRIVER
IC1004
DATA
CLK
STB
CLR
1 – 5, 7 – 11, 19 – 23
D1004 – 1013
(INDICATOR)
(BLUE)
(GREEN)
D1014
HDMI/i.LINK
D1003
MULTI
CHANNEL
DECODING
D1002
Digital
Cinema
Sound
SIRCS
31
(Page 65)
CTL
6
(Page 62)
BUFFER
IC2049 (3/3)
OSD DATA
OSD CLK
OSD LAT
OSD-DATA
OSD-CLK
OSD-LAT
LED LAT
LED CLR
UPCON CLK
UPCON DATA
SIRCS IN
MAIN SYSTEM CONTROLLER
IC2054 (4/4)
SP-SW FA
SP-SW FB
BASS JOG1
BASS JOG2
TREB JOG1
TREB JOG2
PAGE JOG1
PAGE JOG2
MAIN MENU JOG1
MAIN MENU JOG2
+/– JOG1
+/– JOG2
FUNCTION JOG1
FUNCTION JOG2
VOL JOG1
VOL JOG2
AD KEY1
AD KEY2
AD KEY3
POWER KEY
FL DATA
FL CLK
FL LAT
FL CLR
BUFFER
IC1002
FLUORESCENT
INDICATOR
TUBE
FL1001
SI
CLK
LAT
BK
F1
VH
F2
A –12V
T1001
DC/DC
CONVERTER
Q1001, 1002
D1015 – 1018
RECT
A+B (9.1CH)
OFF (ALL SP)
A (7.1CH)
B (5.1CH)
ROTARY
SWITCH
SW1001
SPEAKERS
ROTARY
ENCODER
RV1001
BASS
ROTARY
ENCODER
RV1002
TREBLE
ROTARY
ENCODER
RV1003
MAIN
MENU
ROTARY
ENCODER
RV1004
MENU
ROTARY
ENCODER
RV1005
–/+
ROTARY
ENCODER
RV1006
INPUT
SELECTOR
ROTARY
ENCODER
RV1007
MASTER
VOLUME
S1001 – 1012,
S1014 – 1018
S1013
I/⏻
• SIGNAL PATH
:VIDEO

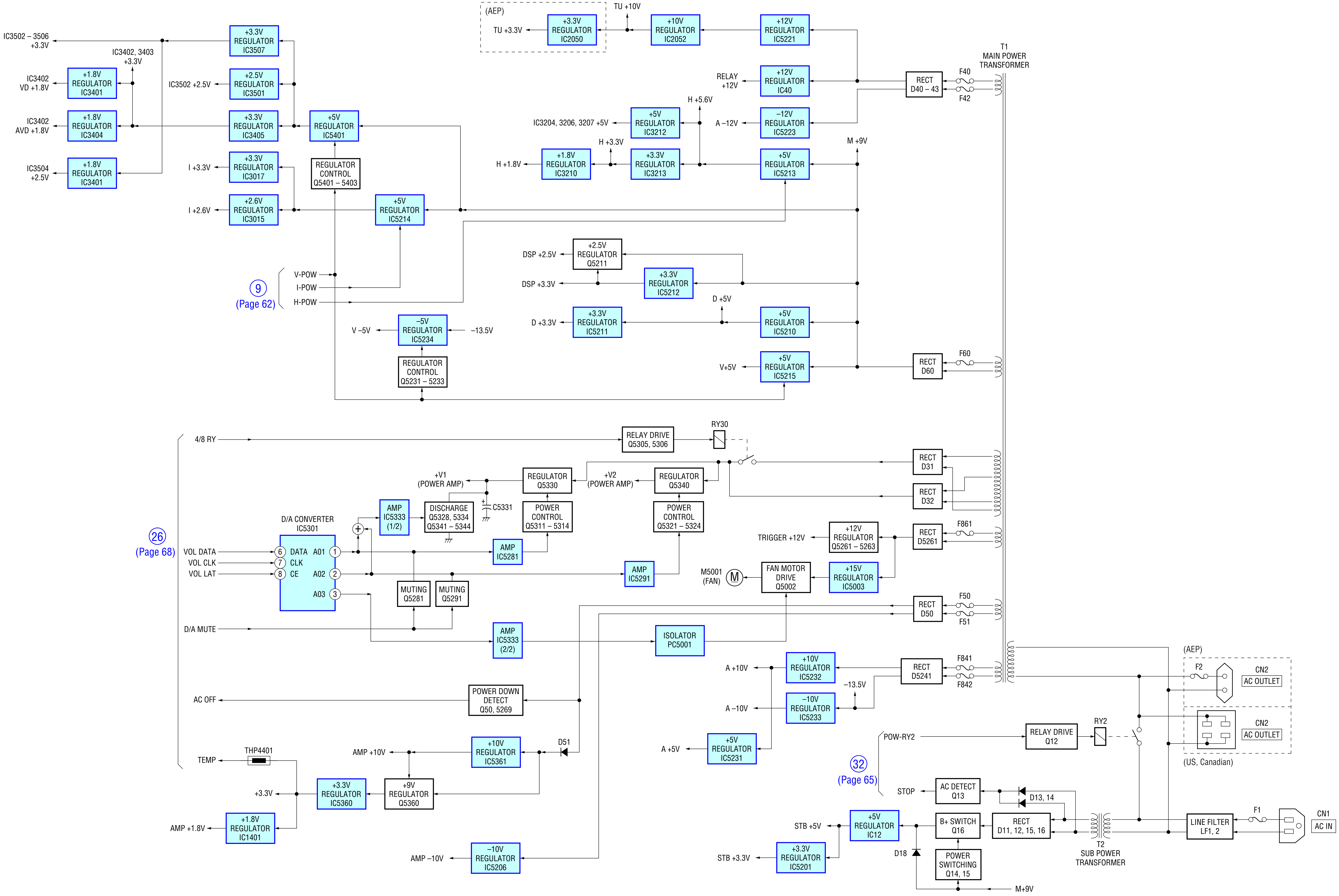
6-11. BLOCK DIAGRAM – HDMI RECEIVER SECTION –


CN3201
HDMI ASSIGNABLE IN 1
DATA2+
DATA2–
DATA1+
DATA1–
DATA0+
DATA0–
CLOCK+
CLOCK–
SCL (5V)
SDA (5V)
HOT PLUG DET
LEVEL SHIFT Q3205
HOT PLUG DETECT Q3201, 3210
CN3202
HDMI ASSIGNABLE IN 2
LEVEL SHIFT Q3204
HOT PLUG DETECT Q3202, 3209
HDMI PANELLINK CINEMA RECIVER
IC3205
R1X2+
R1X2–
R1X1+
R1X1–
R1X0+
R1X0–
R1XC+
R1XC–
DSCL1
DSDA1
R0X2+
R0X2–
R0X1+
R0X1–
R0X0+
R0X0–
R0XC+
R0XC–
DSCL0
DSDA0
Q16 – Q23
119 – 116, 113 – 110
Q8 – Q15
132 – 129, 126 – 123
Q0 – Q7
144 – 140, 137 136, 133
D16 – D23
D8 – D15
D0 – D7
41
(Page 72)
SD0
SD1
SD2
SD3
SPDIF
MCKOUT
MCKIN
SCK
WS
MUTEOUT
DE
ODCK
HSYNC
VSYNC
MCKO
BCKO
LRCKO
DCK
I/H BUS
37
(Page 63)
CSCL
CSDA
XTALOUT
XTALIN
INT
RESET
X3201
28.322MHz
44
(Page 70)
CVBS IN
CB IN
CR IN
DIGITAL CHROMA DECODER
IC3402
CVBSIN
BIN
CIN
DOUT2
DOUT3
DOUT4
DOUT5
DOUT6
DOUT7
DOUT8
DOUT9
V2
V3
V4
V5
V6
V7
V8
V9
27MHz
SD-RAM
IC3403
LDQM
UDQM
CLK
CKE
/RAS
/CAS
/WE
/CS
DQM
SDCK
XRAS
XCAS
XWE
XCS
DQ0 – DQ15
ADDR0 – ADDR11
A0 – A11
BA0
BA1
SDA
SCL
REFCK27
INTR
XRST
TRST
X3401
27MHz
EEPROM
IC3202
SDA
SCL
WP
DATA SELECTOR
IC3203
2C
1C
2Y3
2Y2
2Y1
2Y0
1Y3
1Y2
1Y1
1Y0
INH
A
B
LEVEL SHIFT Q3206
Q3203
IC3204, 3206, 3207
+5V
LEVEL SHIFT Q3207
HDMI BUS
40
(Page 72)
39
(Page 62)
HDMI TX
HDMI RX
HDMI RESET
MAINCPU_TX
MAINCPU_RX
RESET
EEPROM_SEL00
EEPROM_SEL01
RX_HPG_DTCT00
RX_HPG_DTCT01
RX_INT
RX_RST
CXD3805_INT
CXD3805_RST
HDMI CONTROLLER
IC3209 (1/2)
• SIGNAL PATH
: AUDIO (DIGITAL)
: VIDEO

6-12. BLOCK DIAGRAM – HDMI TRASCEIVER SECTION –


PROGRESSIVE SCAN CONVERTER
IC3502
SD-RAM
IC3503
MD0 – MD15
131, 129, 124, 122, 118, 116, 112, 110, 111, 113, 117, 119, 123, 125, 130, 132
2, 3, 5, 6, 8, 9, 11, 12, 39, 40, 42, 43, 45, 46, 48, 49
DQ0 – DQ15
MA0 – MA11
88, 86, 82, 80, 81, 83, 87, 89, 95, 97, 94, 96
21 – 24, 27 – 32, 20, 19
A0 – A11
MCLK
CLK
(CKE) DQM
DQML
DQMU
RAS
/RAS
CAS
/CAS
WE
/WE
VIDEO ENCODER
IC3504
RV3502
COMPOSITE VIDEO OUT LEVEL
RSET1
V
Y
C
CVBS
Y
C
42 (Page 70)
51 – 55, 58 – 62
S (0) – S (9)
2 – 9, 12, 13
P_Y (0) – P_Y (9)
14 – 18, 26 – 30
P_C (0) – P_C (9)
Y/G
CB/B
CR/R
G
B
R
43 (Page 69)
SDA
SCLK
RESET8
CLKIN
CLKIN_2
RSET2
RV3501
COMPONENT VIDEO OUT LEVEL
• SIGNAL PATH
: AUDIO (DIGITAL)
: VIDEO
V2
V3
V4
V5
V6
V7
V8
V9
PI2
PI3
PI4
PI5
PI6
PI7
PI8
PI9
P00 – P09
33 – 28, 25 – 22
Y00 – Y09
52 – 48, 45 – 41
C00 – C09
56 – 60, 63 – 67
27MHz
CLKI
CLKO
NHSO
NVSO
SDA
SCL
SRN
BUS SWITCH
IC3206
BUS SWITCH
IC3204
BUS SWITCH
IC3207
LEVEL SHIFT
IC3506
DE
DCK
HSYNC
VSYNC
HDMI PANELLINK CINEMA TRANSMITTER
IC3208
56 – 49
D16 – D23
67, 65 – 61, 58, 57
D8 – D15
79 – 75, 70 – 68
D0 – D7
TX2+
TX2–
TX1+
TX1–
TX0+
TX0–
TXC+
TXC–
DATA2+
DATA2–
DATA1+
DATA1–
DATA0+
DATA0–
CLOCK+
CLOCK–
CN3206
HDMI MONITOR OUT
SD0
SD1
SD2
SD3
SPDIF
MCKO
BCKO
LRCKO
MCLK
SCK
WS
DE
DCK
IDCK
HSYNC
VSYNC
DSCL
DSDA
LEVEL SHIFT
Q3208
SCL (5V)
SDA (5V)
HPD
LEVEL SHIFT
IC3201
HOT PLUG DET
D16 – D23
D8 – D15
D0 – D7
41 (Page 71)
CSDA
CSCL
INT
RESET
H +5.6V
+5V REGULATOR
IC3214
CN3206 +5V
HDMI BUS
40 (Page 71)
CSDA
CSCL
X3202
10MHz
UC3V_SDA
UC3V_SCL
PORU-RST
10M
10M
VDAC_RST
PROU-OUT-SW
TX-INT
TX-RST
TX_HPG
HDMI CONTROLLER
IC3209 (2/2)

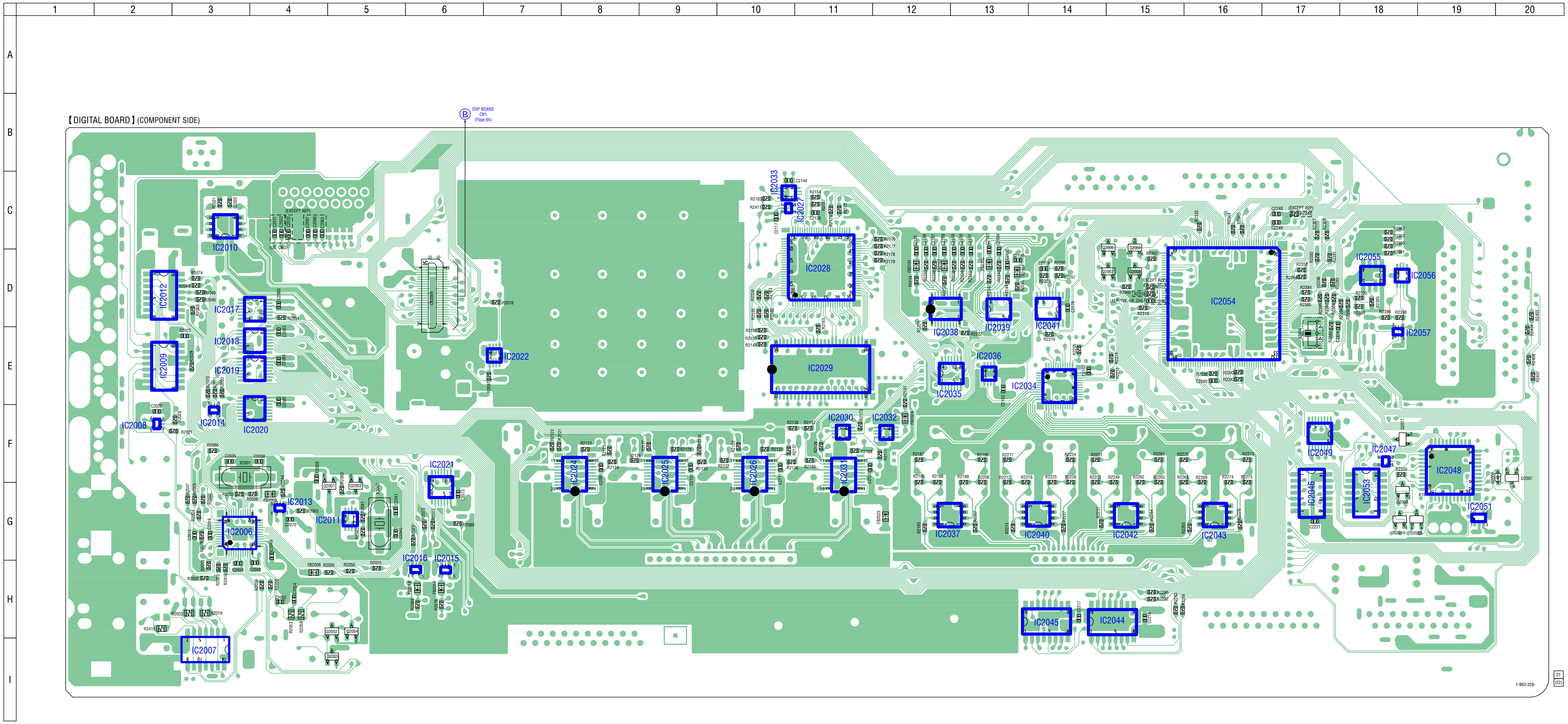
6-13. BLOCK DIAGRAM – POWER SUPPLY SECTION –


(AEP)
TU +3.3V
+3.3V REGULATOR IC2050
TU +10V
+10V REGULATOR IC2052
+12V REGULATOR IC5221
T1 MAIN POWER TRANSFORMER
IC3502 – 3506 +3.3V
+3.3V REGULATOR IC3507
IC3402, 3403 +3.3V
IC3402 VD +1.8V
+1.8V REGULATOR IC3401
IC3502 +2.5V
+2.5V REGULATOR IC3501
RELAY +12V
+12V REGULATOR IC40
RECT D40 – 43
F40
F42
H +5.6V
IC3402 AVD +1.8V
+1.8V REGULATOR IC3404
+3.3V REGULATOR IC3405
+5V REGULATOR IC5401
IC3204, 3206, 3207 +5V
+5V REGULATOR IC3212
A –12V
–12V REGULATOR IC5223
M +9V
H +3.3V
IC3504 +2.5V
+1.8V REGULATOR IC3401
I +3.3V
+3.3V REGULATOR IC3017
REGULATOR CONTROL Q5401 – 5403
H +1.8V
+1.8V REGULATOR IC3210
+3.3V REGULATOR IC3213
+5V REGULATOR IC5213
I +2.6V
+2.6V REGULATOR IC3015
+5V REGULATOR IC5214
DSP +2.5V
+2.5V REGULATOR Q5211
DSP +3.3V
+3.3V REGULATOR IC5212
9
(Page 62)
V-POW
I-POW
H-POW
D +5V
D +3.3V
+3.3V REGULATOR IC5211
+5V REGULATOR IC5210
V –5V
–5V REGULATOR IC5234
–13.5V
REGULATOR CONTROL Q5231 – 5233
F60
RECT D60
V+5V
+5V REGULATOR IC5215
4/8 RY
RELAY DRIVE Q5305, 5306
RY30
RECT D31
RECT D32
+V1 (POWER AMP)
REGULATOR Q5330
+V2 (POWER AMP)
REGULATOR Q5340
AMP IC5333 (1/2)
DISCHARGE Q5328, 5334 Q5341 – 5344
C5331
POWER CONTROL Q5311 – 5314
POWER CONTROL Q5321 – 5324
D/A CONVERTER IC5301
26
(Page 68)
VOL DATA
VOL CLK
VOL LAT
6 DATA
7 CLK
8 CE
A01 1
A02 2
A03 3
AMP IC5281
AMP IC5291
TRIGGER +12V
+12V REGULATOR Q5261 – 5263
F861
RECT D5261
M5001 (FAN)
M
FAN MOTOR DRIVE Q5002
+15V REGULATOR IC5003
MUTING Q5281
MUTING Q5291
F50
RECT D50
F51
D/A MUTE
AMP IC5333 (2/2)
ISOLATOR PC5001
A +10V
+10V REGULATOR IC5232
RECT D5241
F841
F842
–13.5V
A –10V
–10V REGULATOR IC5233
(AEP)
F2
CN2 AC OUTLET
AC OFF
POWER DOWN DETECT Q50, 5269
POW-RY2
RELAY DRIVE Q12
RY2
CN2 AC OUTLET
(US, Canadian)
TEMP
THP4401
AMP +10V
+10V REGULATOR IC5361
D51
A +5V
+5V REGULATOR IC5231
32
(Page 65)
+3.3V
+3.3V REGULATOR IC5360
+9V REGULATOR Q5360
STOP
AC DETECT Q13
D13, 14
AMP +1.8V
+1.8V REGULATOR IC1401
STB +5V
+5V REGULATOR IC12
B+ SWITCH Q16
RECT D11, 12, 15, 16
LINE FILTER LF1, 2
F1
CN1 AC IN
T2 SUB POWER TRANSFORMER
AMP –10V
–10V REGULATOR IC5206
STB +3.3V
+3.3V REGULATOR IC5201
D18
POWER SWITCHING Q14, 15
M+9V

6-14. PRINTED WIRING BOARD – DIGITAL BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.


【DIGITAL BOARD】(COMPONENT SIDE)
B DSP BOARD CN1 (Page 84)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
A B C D E F G H I
IC2006
IC2007
IC2008
IC2009
IC2010
IC2011
IC2012
IC2013
IC2014
IC2015
IC2016
IC2017
IC2018
IC2019
IC2020
IC2021
IC2022
IC2024
IC2025
IC2026
IC2027
IC2028
IC2029
IC2030
IC2031
IC2032
IC2033
IC2034
IC2035
IC2036
IC2037
IC2038
IC2039
IC2040
IC2041
IC2042
IC2043
IC2044
IC2045
IC2046
IC2047
IC2048
IC2049
IC2051
IC2053
IC2054
IC2055
IC2056
IC2057
(EXCEPT AEP)
1-863-328-

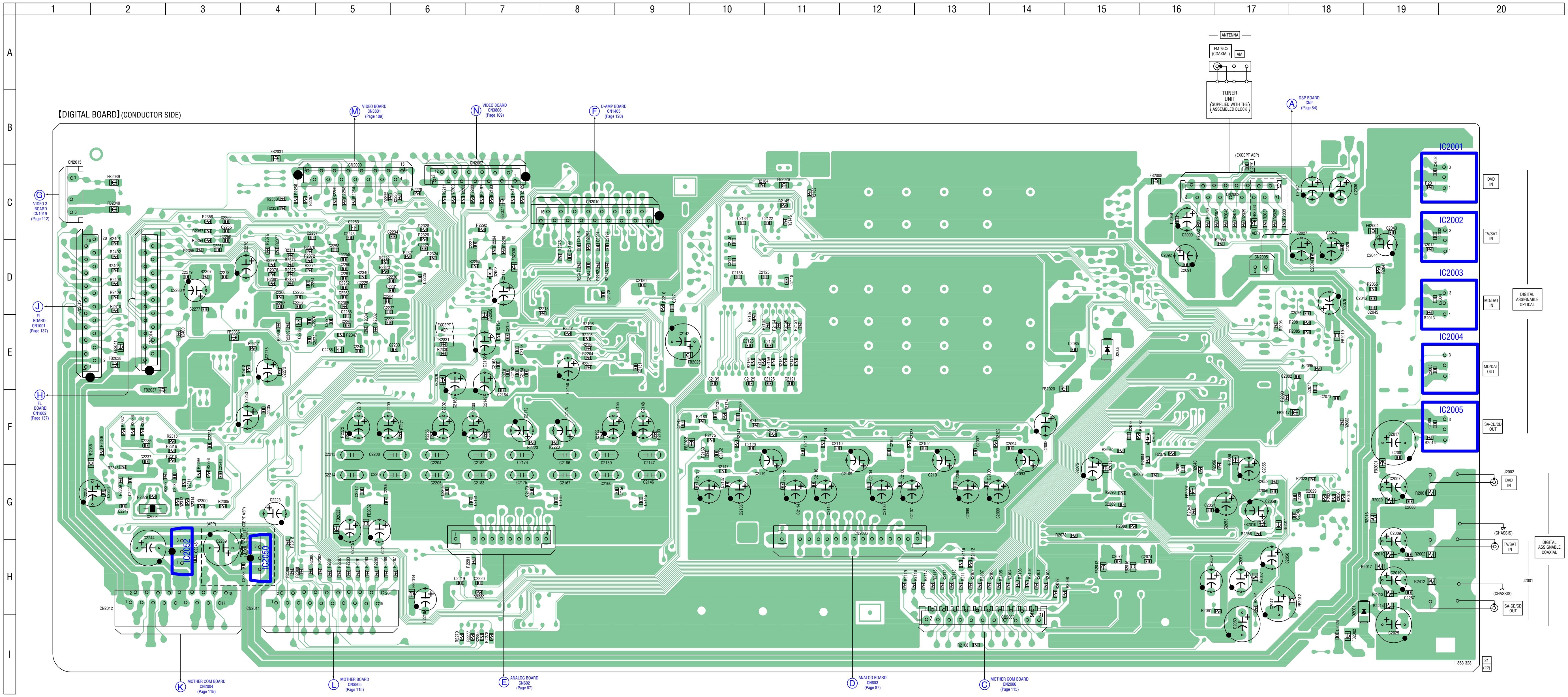
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2004	D-15	IC2018	E-4	IC2036	E-13	IC2055	D-18
D2005	G-18	IC2019	E-4	IC2037	G-12	IC2056	D-18
D2006	F-20	IC2020	F-4	IC2038	D-12	IC2057	E-18
D2007	F-20	IC2021	G-6	IC2039	D-13		
		IC2022	E-7	IC2040	G-14	Q2001	G-5
IC2006	G-3	IC2024	F-8	IC2041	D-14	Q2002	H-5
IC2007	I-3	IC2025	F-9	IC2042	G-15	Q2003	G-5
IC2008	F-2	IC2026	F-10	IC2043	G-16	Q2004	H-5
IC2009	E-2	IC2027	C-10	IC2044	H-15	Q2005	I-5
IC2010	C-3	IC2028	D-11	IC2045	H-14	Q2006	D-15
IC2011	G-5	IC2029	E-11	IC2046	G-17	Q2007	D-15
IC2012	D-2	IC2030	F-11	IC2047	F-18	Q2008	D-15
IC2013	G-4	IC2031	F-11	IC2048	F-19	Q2009	G-18
IC2014	F-3	IC2032	F-12	IC2049	F-17	Q2010	G-18
IC2015	H-6	IC2033	C-10	IC2051	G-19	Q2011	F-18
IC2016	H-6	IC2034	E-14	IC2053	G-18		
IC2017	D-4	IC2035	E-13	IC2054	D-16		

6-15. PRINTED WIRING BOARD – DIGITAL BOARD (CONDUCTOR SIDE) –

- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.

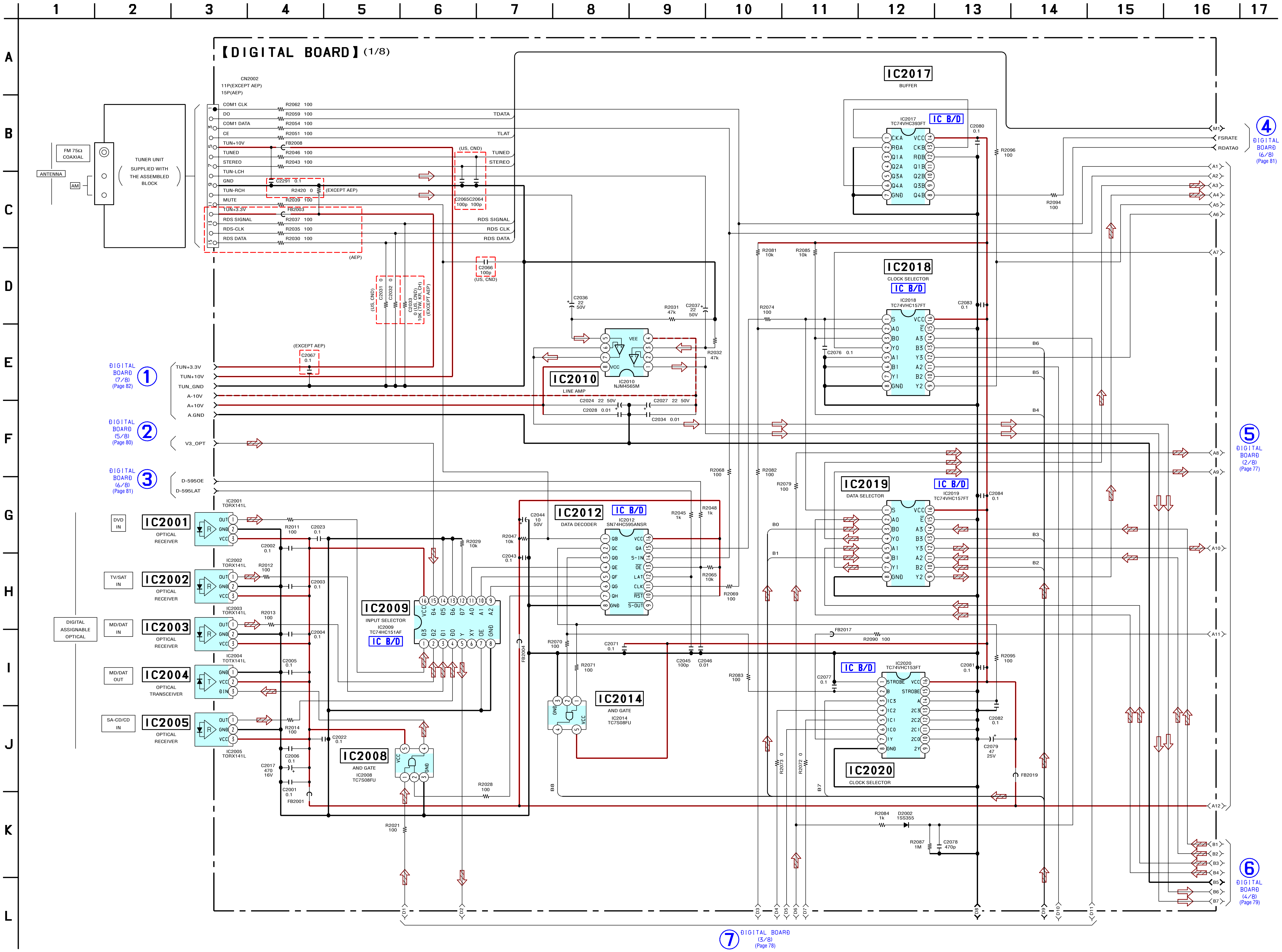

【DIGITAL BOARD】(CONDUCTOR SIDE)
ANTENNA
FM 75Ω (COAXIAL)
AM
TUNER UNIT (SUPPLIED WITH THE ASSEMBLED BLOCK)
(EXCEPT AEP)
Ⓐ DSP BOARD CN2 (Page 84)
Ⓜ VIDEO BOARD CN3801 (Page 109)
Ⓝ VIDEO BOARD CN3806 (Page 109)
Ⓕ D-AMP BOARD CN1405 (Page 120)
Ⓖ VIDEO 3 BOARD CN1019 (Page 112)
Ⓙ FL BOARD CN1001 (Page 137)
Ⓗ FL BOARD CN1002 (Page 137)
Ⓚ MOTHER COM BOARD CN2004 (Page 115)
Ⓛ MOTHER BOARD CNS805 (Page 115)
Ⓔ ANALOG BOARD CN602 (Page 87)
Ⓓ ANALOG BOARD CN603 (Page 87)
Ⓒ MOTHER COM BOARD CN2006 (Page 115)
CN2009
CN2007
CN2010
CN2012
CN2011
CN2003
IC2001
IC2002
IC2003
IC2004
IC2005
IC2050
IC2052
DVD IN
TV/SAT IN
MD/DAT IN
MD/DAT OUT
SA-CD/CD OUT
DIGITAL ASSIGNABLE OPTICAL
DIGITAL ASSIGNABLE COAXIAL
(CHASSIS)
J2001
J2002
1-863-328-21 (22)

- **Semiconductor Location**

Ref. No.	Location
D2001	H-19
D2002	F-16
D2003	D-7
D2008	E-15
IC2001	C-20
IC2002	C-20
IC2003	D-20
IC2004	E-20
IC2005	F-20
IC2050	H-4
IC2052	H-3

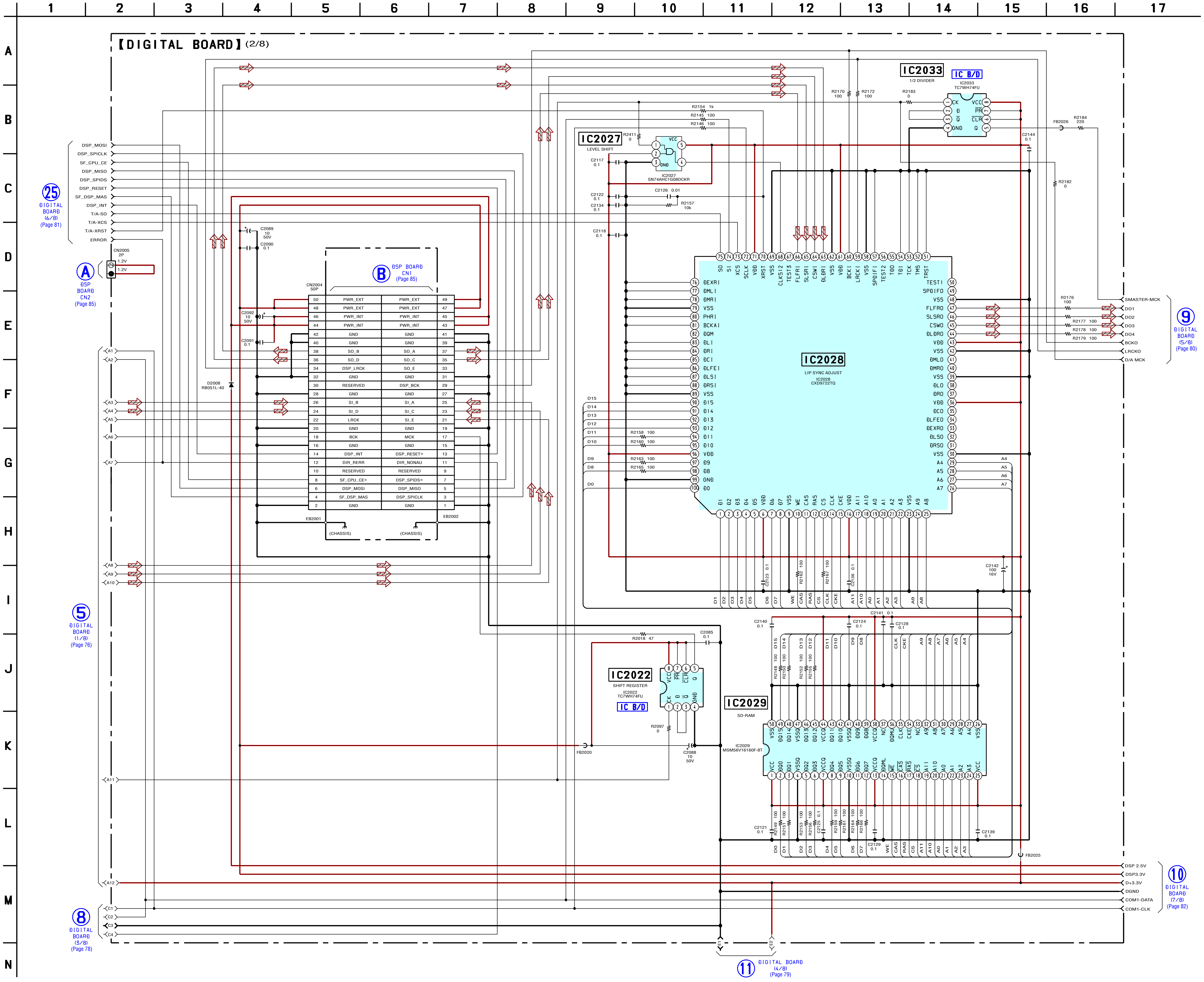
6-16. SCHEMATIC DIAGRAM – DIGITAL BOARD (1/8) –

• See page 158, 159 for IC Block Diagrams.


【DIGITAL BOARD】(1/8)
CN2002
11P(EXCEPT AEP)
15P(AEP)
FM 75Ω COAXIAL
ANTENNA
AM
TUNER UNIT
SUPPLIED WITH THE ASSEMBLED BLOCK
COM1 CLK
DO
COM1 DATA
CE
TUN+10V
TUNED
STEREO
TUN-LCH
GND
TUN-RCH
MUTE
TUN+3.3V
RDS SIGNAL
RDS-CLK
RDS DATA
TDATA
TLAT
RDS CLK
(US, CND)
(EXCEPT AEP)
(AEP)
IC2017
BUFFER
IC2017 TC74VHC393FT
IC B/D
IC2018
CLOCK SELECTOR
IC2018 TC74VHC157FT
IC2019
DATA SELECTOR
IC2019 TC74VHC157FT
IC2010
LINE AMP
IC2010 NJM4565M
IC2012
DATA DECODER
IC2012 SN74HC595ANSR
IC2009
INPUT SELECTOR
IC2009 TC74HC151AF
IC2014
AND GATE
IC2014 TC7S08FU
IC2008
AND GATE
IC2008 TC7S08FU
IC2020
CLOCK SELECTOR
IC2020 TC74VHC153FT
IC2001
OPTICAL RECEIVER
IC2001 TORX141L
IC2002
OPTICAL RECEIVER
IC2002 TORX141L
IC2003
OPTICAL RECEIVER
IC2003 TORX141L
IC2004
OPTICAL TRANSCEIVER
IC2004 TOTX141L
IC2005
OPTICAL RECEIVER
IC2005 TORX141L
DVD IN
TV/SAT IN
MD/DAT IN
MD/DAT OUT
SA-CD/CD IN
DIGITAL ASSIGNABLE OPTICAL
① DIGITAL BOARD (7/8) (Page 82)
TUN+3.3V
TUN+10V
TUN_GND
A-10V
A+10V
A.GND
② DIGITAL BOARD (5/8) (Page 80)
V3_OPT
③ DIGITAL BOARD (6/8) (Page 81)
D-595OE
D-595LAT
④ DIGITAL BOARD (6/8) (Page 81)
M1
FSRATE
RDATA0
⑤ DIGITAL BOARD (2/8) (Page 77)
⑥ DIGITAL BOARD (4/8) (Page 79)
⑦ DIGITAL BOARD (3/8) (Page 78)
FB2001
FB2003
FB2004
FB2008
FB2017
FB2019
D2002 1SS355

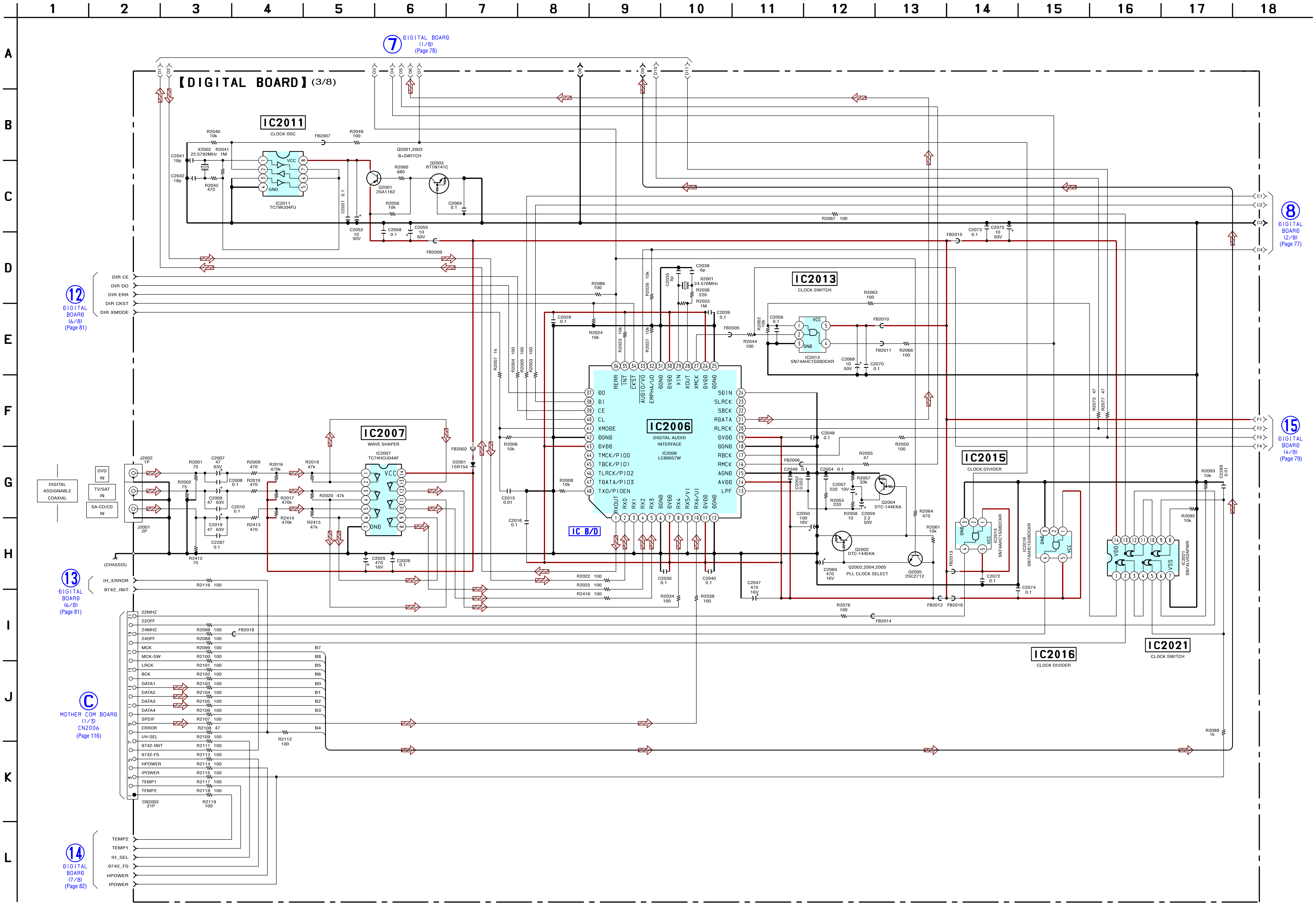
6-17. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/8) –

- See page 158 for IC Block Diagrams.
- See page 35 for IC Pin Function Description.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
K
L
M
N
【DIGITAL BOARD】(2/8)
IC2033
1/2 DIVIDER
IC B/D
IC2033 TC7WH74FU
IC2027
LEVEL SHIFT
IC2027 SN74AHC1G08DCKR
IC2028
LIP SYNC ADJUST
IC2028 CXD9722TQ
IC2022
SHIFT REGISTER
IC2022 TC7WH74FU
IC B/D
IC2029
SD-RAM
IC2029 MSM56V16160F-8T
25 DIGITAL BOARD (6/8) (Page 81)
DSP_MOSI
DSP_SPICLK
SF_CPU_CE
DSP_MISO
DSP_SPIDS
DSP_RESET
SF_DSP_MAS
DSP_INT
T/A-SO
T/A-XCS
T/A-XRST
ERROR
A DSP BOARD CN2 (Page 85)
CN2005 2P
1.2V
B DSP BOARD CN1 (Page 85)
CN2004 50P
PWR_EXT
PWR_INT
GND
SO_A
SO_B
SO_C
SO_D
SO_E
DSP_LRCK
RESERVED
DSP_BCK
SI_A
SI_B
SI_C
SI_D
SI_E
LRCK
BCK
MCK
DSP_INT
DSP_RESET+
DIR_RERR
DIR_NONAU
SF_CPU_CE+
DSP_SPIDS+
DSP_MOSI
DSP_MISO
SF_DSP_MAS
DSP_SPICLK
EB2001
EB2002
(CHASSIS)
D2008 RB051L-40
C2089 10 50V
C2090 0.1
C2092 10 50V
C2091 0.1
5 DIGITAL BOARD (1/8) (Page 76)
8 DIGITAL BOARD (3/8) (Page 78)
9 DIGITAL BOARD (5/8) (Page 80)
SMASTER-MCK
DO1
DO2
DO3
DO4
BCKO
LRCKO
D/A MCK
10 DIGITAL BOARD (7/8) (Page 82)
DSP 2.5V
DSP3.3V
D+3.3V
DGND
COM1-DATA
COM1-CLK
11 DIGITAL BOARD (4/8) (Page 79)
FB2020
FB2025
FB2026
C2088 10 50V
C2142 100 16V
R2018 47
R2097 0

6-18. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/8) –

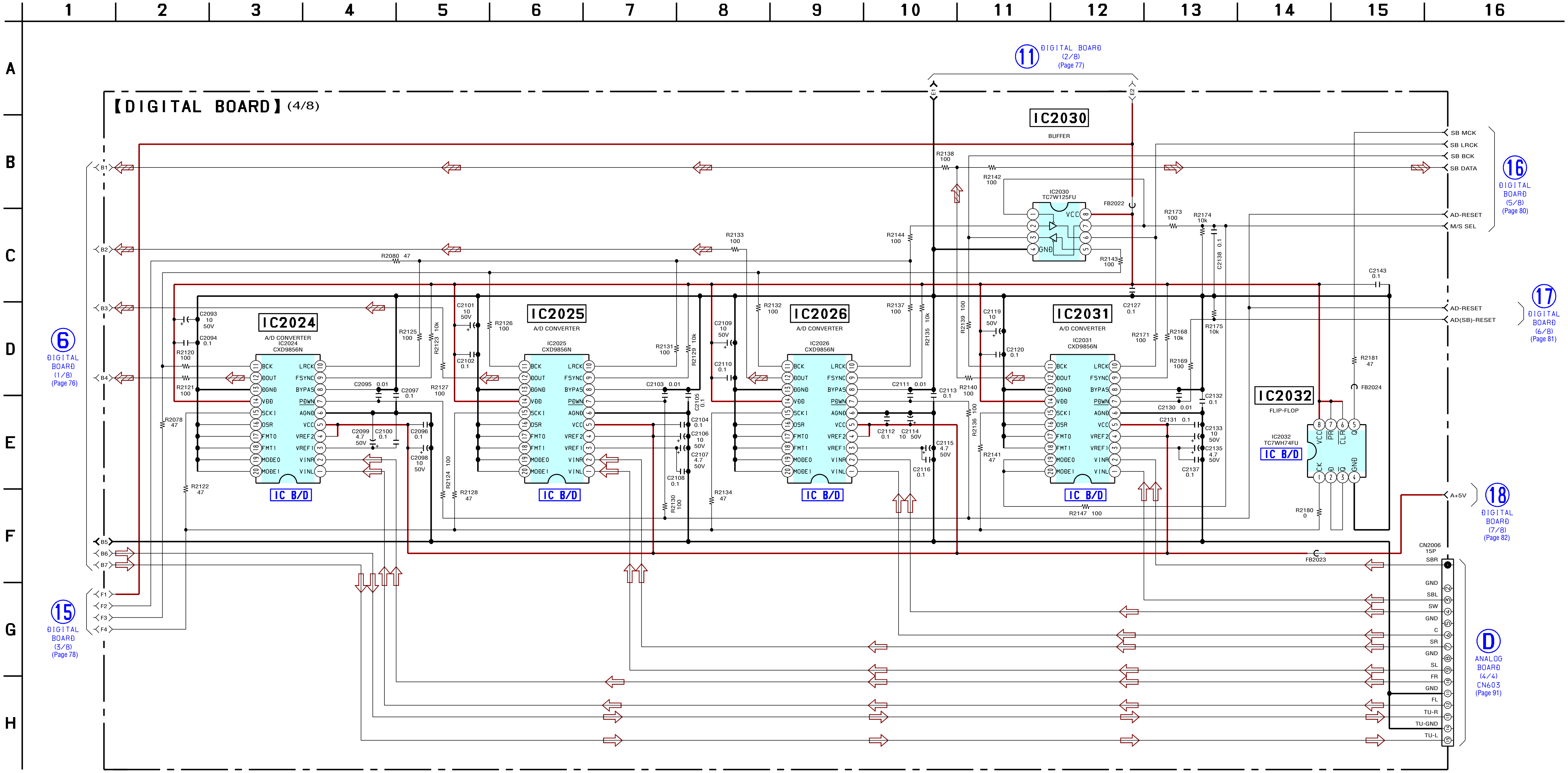
• See page 156 for IC Block Diagrams.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
A B C D E F G H I J K L
【DIGITAL BOARD】(3/8)
7 DIGITAL BOARD (1/8) (Page 78)
8 DIGITAL BOARD (2/8) (Page 77)
12 DIGITAL BOARD (6/8) (Page 81)
13 DIGITAL BOARD (6/8) (Page 81)
14 DIGITAL BOARD (7/8) (Page 82)
15 DIGITAL BOARD (4/8) (Page 79)
C MOTHER COM BOARD (1/3) CN2006 (Page 116)
IC2011 CLOCK OSC
IC2011 TC7WU04FU
X2002 22.5792MHz
Q2001,2003 B+SWITCH
Q2001 2SA1162
Q2003 RT1N141C
IC2006 DIGITAL AUDIO INTERFACE
IC2006 LC89057W
IC2007 WAVE SHAPER
IC2007 TC74HCU04AF
IC2013 CLOCK SWITCH
IC2013 SN74AHC1G08DCKR
IC2015 CLOCK DIVIDER
IC2015 SN74AHC1G08DCKR
IC2016 CLOCK DIVIDER
IC2016 SN74AHC1G08DCKR
IC2021 CLOCK SWITCH
IC2021 SN74LV02APWR
X2001 24.576MHz
Q2002 DTC-144EKA
Q2004 DTC-144EKA
Q2005 2SC2712
Q2002,2004,2005 PLL CLOCK SELECT
D2001 1SR154
IC B/D
DIR CE
DIR DO
DIR ERR
DIR CKST
DIR XMODE
DIGITAL ASSIGNABLE COAXIAL
DVD IN
TV/SAT IN
SA-CD/CD IN
J2002 1P
J2001 2P
(CHASSIS)
IH_ERROR
9742_INIT
22MHZ
220FF
24MHZ
240FF
MCK
MCK-SW
LRCK
BCK
DATA1
DATA2
DATA3
DATA4
SPDIF
ERROR
I/H-SEL
9742-INIT
9742-FS
HPOWER
IPOWER
TEMP1
TEMP2
CN2003 21P
TEMP2
TEMP1
IH_SEL
9742_FS
HPOWER
IPOWER
DO DI CE CL XMODE DGND DVDD TMCK/PIO0 TBCK/PIO1 TLRCK/PIO2 TDATA/PIO3 TXO/PIOEN
RERR INT CKST AUDIO/VO EMPHA/UO DGND DVDD XIN XOUT XMCK DVDD DGND
SDIN SLRCK SBCK RDATA RLRCK DVDD DGND RBCK RMCK AGND AVDD LPF
RXOUT RX0 RX1 RX2 RX3 DGND DVDD RX4 RX5/VI RX6/UI DVDD DGND

6-19. SCHEMATIC DIAGRAM – DIGITAL BOARD (4/8) –

• See page 156, 158 for IC Block Diagrams.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14
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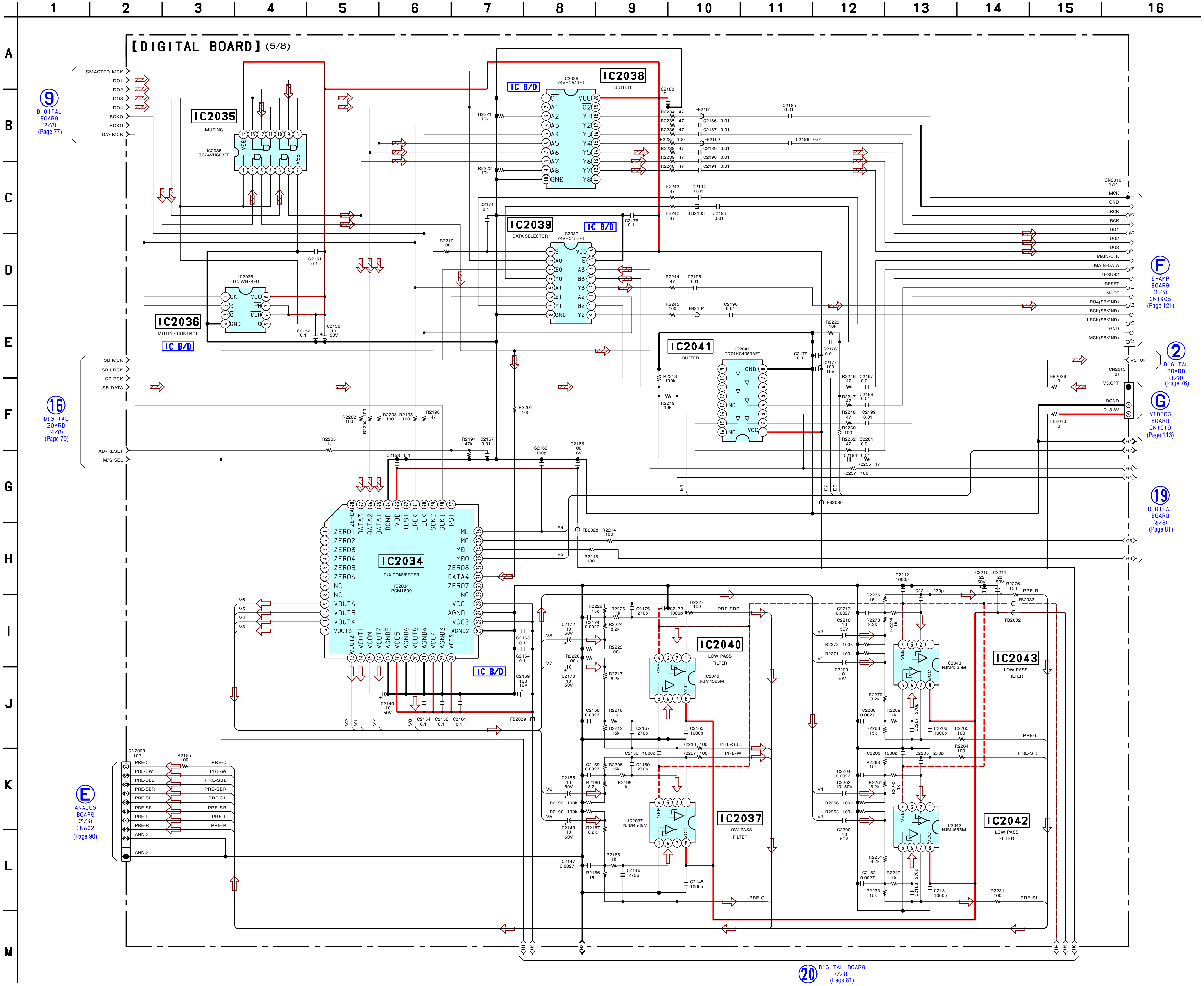
16
A
B
C
D
E
F
G
H
【DIGITAL BOARD】(4/8)
IC2024
A/D CONVERTER
IC2024
CXD9856N
IC2025
A/D CONVERTER
IC2025
CXD9856N
IC2026
A/D CONVERTER
IC2026
CXD9856N
IC2031
A/D CONVERTER
IC2031
CXD9856N
IC2030
BUFFER
IC2030
TC7W125FU
IC2032
FLIP-FLOP
IC2032
TC7WH74FU
IC B/D
BCK
LRCK
DOUT
FSYNC
DGND
BYPAS
VDD
PDWN
SCKI
AGND
OSR
VCC
FMT0
VREF2
FMT1
VREF1
MODE0
VINR
MODE1
VINL
⑪ DIGITAL BOARD (2/8) (Page 77)
⑯ DIGITAL BOARD (5/8) (Page 80)
⑰ DIGITAL BOARD (6/8) (Page 81)
⑱ DIGITAL BOARD (7/8) (Page 82)
⑥ DIGITAL BOARD (1/8) (Page 76)
⑮ DIGITAL BOARD (3/8) (Page 78)
Ⓓ ANALOG BOARD (4/4) CN603 (Page 91)
SB MCK
SB LRCK
SB BCK
SB DATA
AD-RESET
M/S SEL
AD(SB)-RESET
A+5V
CN2006
15P
SBR
GND
SBL
SW
C
SR
SL
FR
FL
TU-R
TU-GND
TU-L
FB2022
FB2023
FB2024
B1
B2
B3
B4
B5
B6
B7
F1
F2
F3
F4
E1
E2

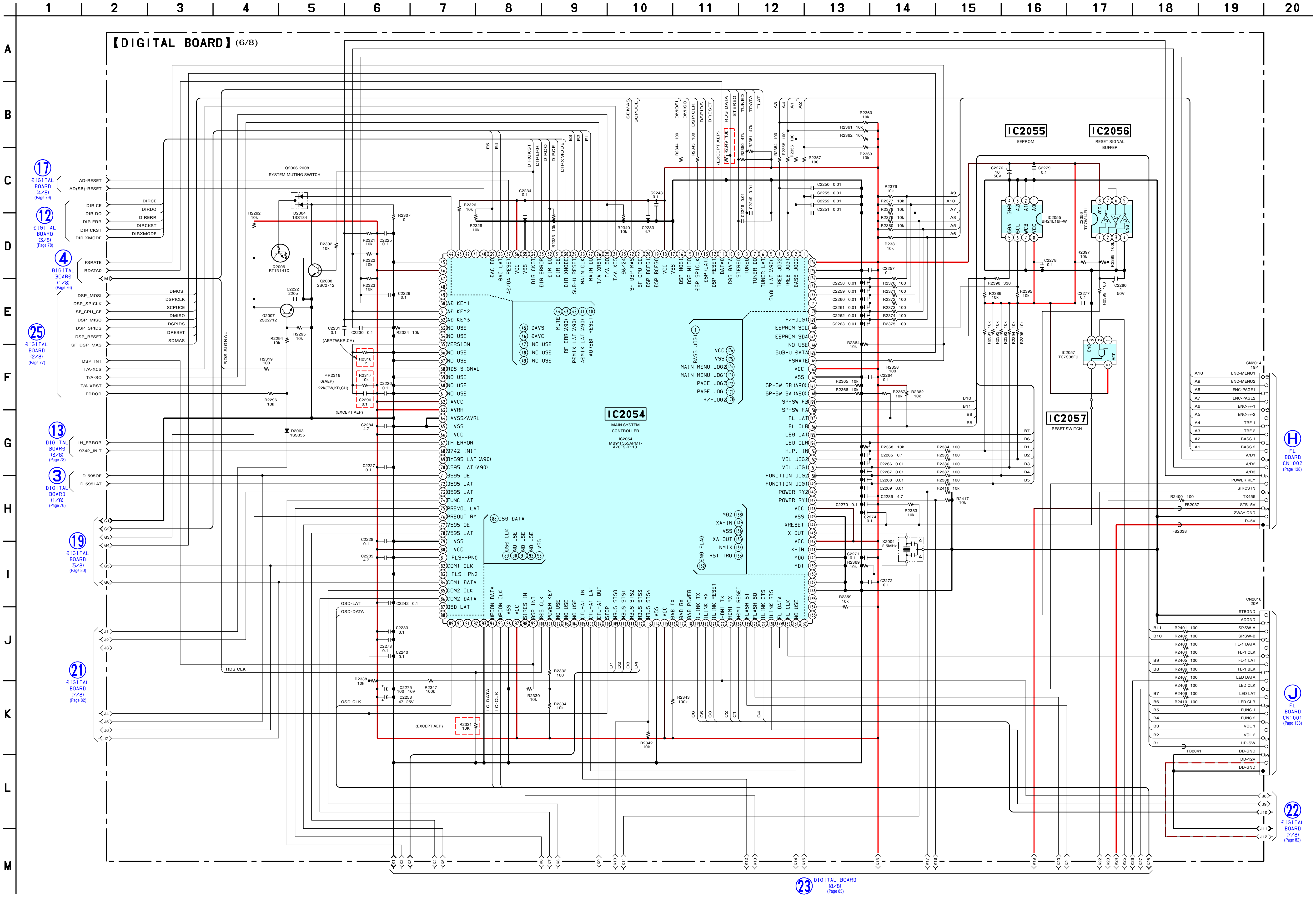
6-20. SCHEMATIC DIAGRAM – DIGITAL BOARD (5/8) –

• See page 157, 158 for IC Block Diagrams.

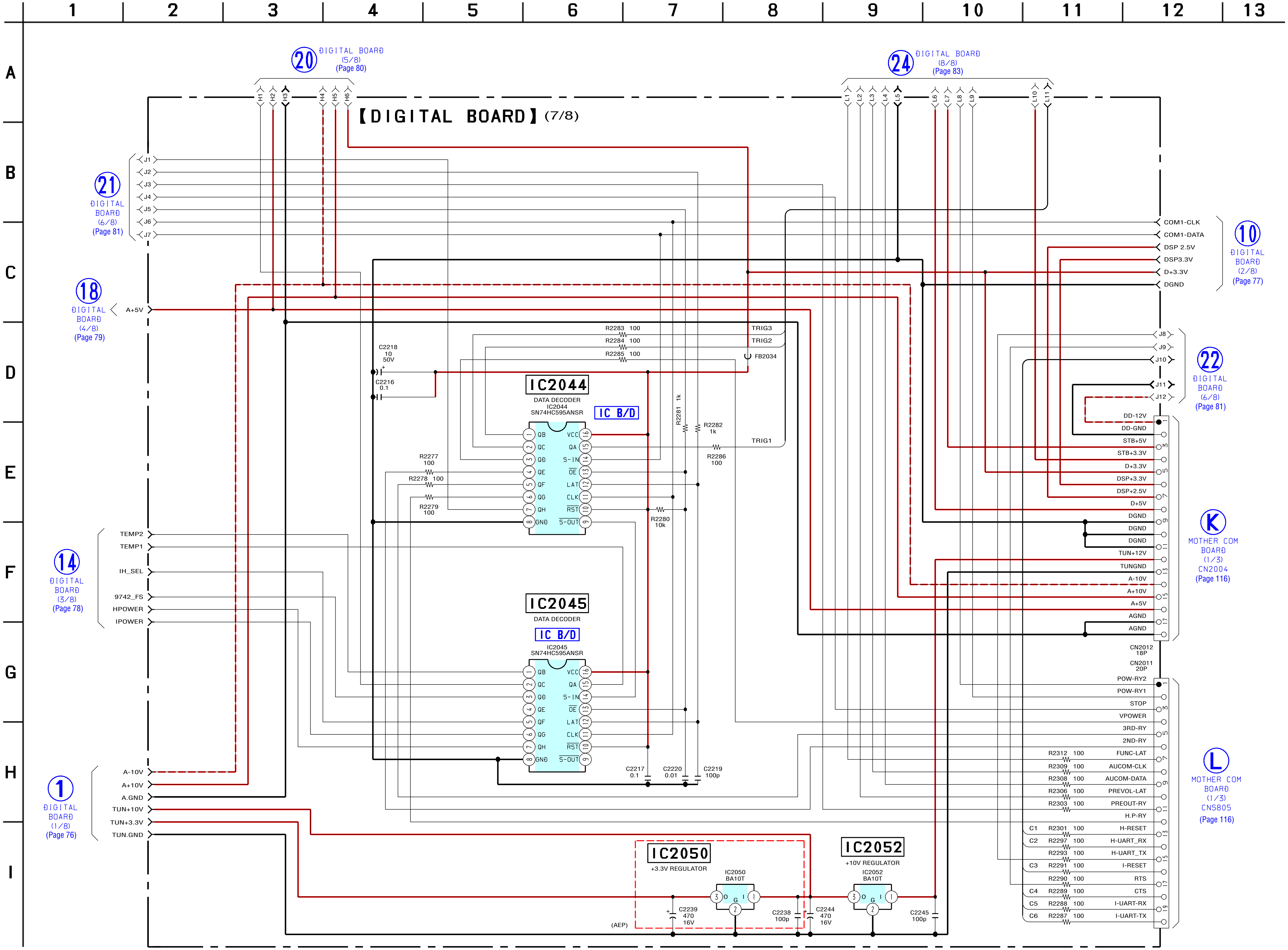

【DIGITAL BOARD】(5/8)
9 DIGITAL BOARD (2/8) (Page 77)
SMASTER-MCK
DO1
DO2
DO3
DO4
BCKO
LRCKO
D/A MCK
IC2035 MUTING
IC2035 TC74VHC08FT
IC2038 BUFFER
IC2038 74VHC541FT
IC B/D
IC2039 DATA SELECTOR
IC2039 74VHC157FT
IC2036 MUTING CONTROL
IC2036 TC7WH74FU
IC2041 BUFFER
IC2041 TC74HC4050AFT
CN2010 17P
MCK
GND
LRCK
BCK
DO1
DO2
DO3
MAIN-CLK
MAIN-DATA
U-SUB2
RESET
MUTE
DO4(SB/2ND)
BCK(SB/2ND)
LRCK(SB/2ND)
GND
MCK(SB/2ND)
F D-AMP BOARD (1/4) CN1405 (Page 121)
V3_OPT
2 DIGITAL BOARD (1/8) (Page 76)
CN2015 3P
V3.OPT
DGND
D+3.3V
G VIDEO3 BOARD CN1019 (Page 113)
16 DIGITAL BOARD (4/8) (Page 79)
SB MCK
SB LRCK
SB BCK
SB DATA
AD-RESET
M/S SEL
19 DIGITAL BOARD (6/8) (Page 81)
IC2034 D/A CONVERTER
IC2034 PCM1609
IC2040 LOW-PASS FILTER
IC2040 NJM4565M
IC2043 LOW-PASS FILTER
IC2043 NJM4565M
IC2037 LOW-PASS FILTER
IC2037 NJM4565M
IC2042 LOW-PASS FILTER
IC2042 NJM4565M
CN2008 10P
PRE-C
PRE-SW
PRE-SBL
PRE-SBR
PRE-SL
PRE-SR
PRE-L
PRE-R
AGND
E ANALOG BOARD (3/4) CN602 (Page 90)
20 DIGITAL BOARD (7/8) (Page 81)

6-21. SCHEMATIC DIAGRAM – DIGITAL BOARD (6/8) –

• See page 38 for IC Pin Function Description.


【DIGITAL BOARD】(6/8)
IC2054
MAIN SYSTEM CONTROLLER
IC2054 MB91F355APMT-A70ES-X110
IC2055
EEPROM
IC2055 BR24L16F-W
IC2056
RESET SIGNAL BUFFER
IC2056 TC7W14FU
IC2057
RESET SWITCH
IC2057 TC7S08FU
Q2006-2008
SYSTEM MUTING SWITCH
Q2006 RT1N141C
Q2007 2SC2712
Q2008 2SC2712
D2004 1SS184
D2003 1SS355
X2004 12.5MHz
17 DIGITAL BOARD (4/8) (Page 79)
12 DIGITAL BOARD (3/8) (Page 78)
4 DIGITAL BOARD (1/8) (Page 76)
25 DIGITAL BOARD (2/8) (Page 77)
13 DIGITAL BOARD (3/8) (Page 78)
3 DIGITAL BOARD (1/8) (Page 76)
19 DIGITAL BOARD (5/8) (Page 80)
21 DIGITAL BOARD (7/8) (Page 82)
23 DIGITAL BOARD (8/8) (Page 83)
22 DIGITAL BOARD (7/8) (Page 82)
H FL BOARD CN1002 (Page 138)
J FL BOARD CN1001 (Page 138)
CN2014 19P
CN2016 20P
AD-RESET
AD(SB)-RESET
DIR CE
DIR DO
DIR ERR
DIR CKST
DIR XMODE
FSRATE
RDATA0
DSP_MOSI
DSP_SPICLK
SF_CPU_CE
DSP_MISO
DSP_SPIDS
DSP_RESET
SF_DSP_MAS
DSP_INT
T/A-XCS
T/A-SO
T/A-XRST
ERROR
IH_ERROR
9742_INIT
D-595OE
D-595LAT
RDS SIGNAL
RDS CLK
OSD-LAT
OSD-DATA
OSD-CLK
IIC-DATA
IIC-CLK
(EXCEPT AEP)
(AEP,TW,KR,CH)
ENC-MENU1
ENC-MENU2
ENC-PAGE1
ENC-PAGE2
ENC-+/-1
ENC-+/-2
TRE 1
TRE 2
BASS 1
BASS 2
A/D1
A/D2
A/D3
POWER KEY
SIRCS IN
TX455
STB+5V
2WAY GND
D+5V
STBGND
ADGND
SP.SW-A
SP.SW-B
FL-1 DATA
FL-1 CLK
FL-1 LAT
FL-1 BLK
LED DATA
LED CLK
LED LAT
LED CLR
FUNC 1
FUNC 2
VOL 1
VOL 2
HP-SW
DD-GND
DD-12V
DD-GND

6-22. SCHEMATIC DIAGRAM – DIGITAL BOARD (7/8) – • See page 157 for IC Block Diagrams.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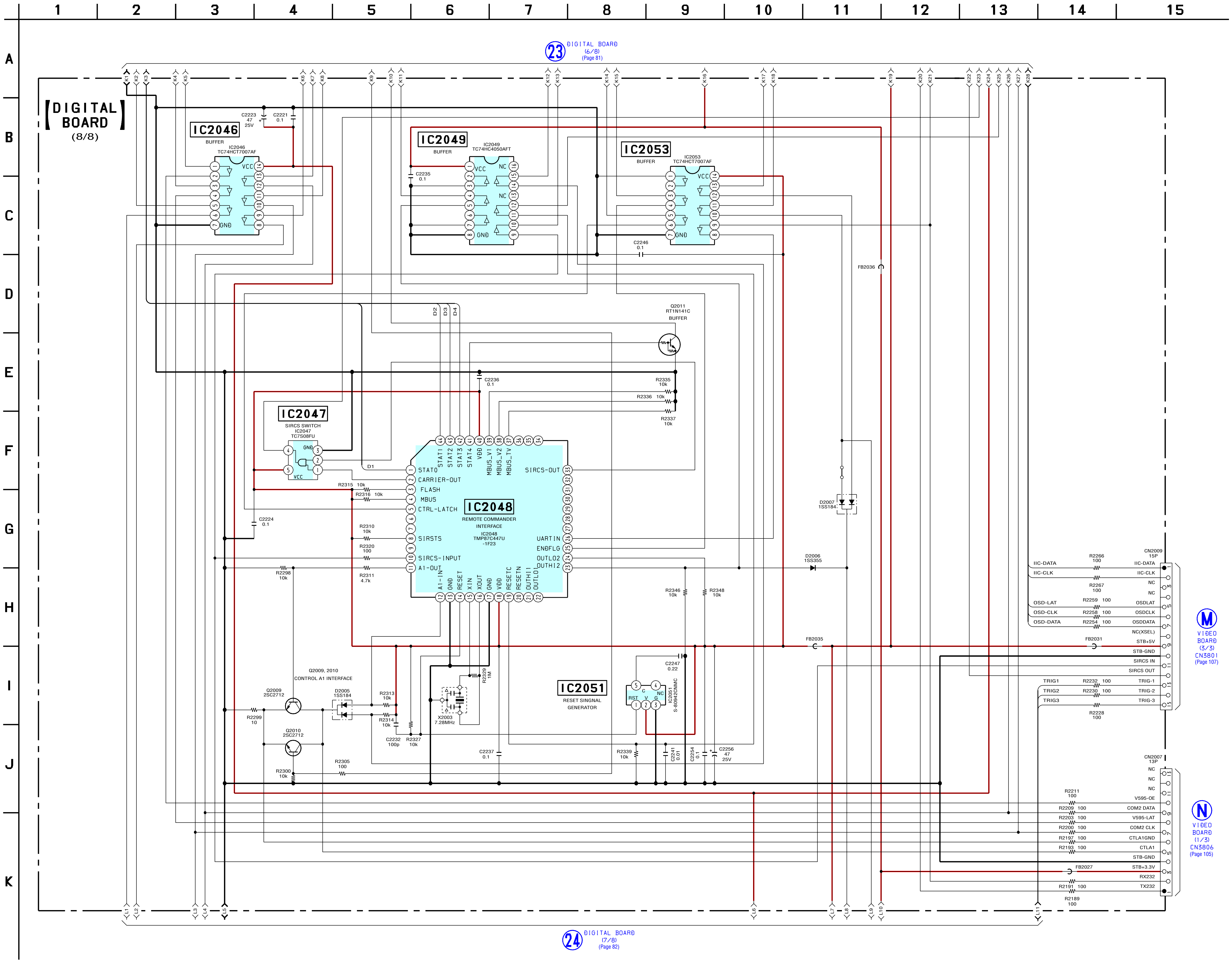
A
B
C
D
E
F
G
H
I
【DIGITAL BOARD】(7/8)
20 DIGITAL BOARD (5/8) (Page 80)
H1
H2
H3
H4
H5
H6
24 DIGITAL BOARD (8/8) (Page 83)
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
21 DIGITAL BOARD (6/8) (Page 81)
J1
J2
J3
J4
J5
J6
J7
18 DIGITAL BOARD (4/8) (Page 79)
A+5V
10 DIGITAL BOARD (2/8) (Page 77)
COM1-CLK
COM1-DATA
DSP 2.5V
DSP3.3V
D+3.3V
DGND
22 DIGITAL BOARD (6/8) (Page 81)
J8
J9
J10
J11
J12
R2283 100
R2284 100
R2285 100
TRIG3
TRIG2
TRIG1
FB2034
C2218 10 50V
C2216 0.1
IC2044
DATA DECODER
IC2044 SN74HC595ANSR
IC B/D
QB
QC
QD
QE
QF
QG
QH
GND
VCC
QA
S-IN
OE
LAT
CLK
RST
S-OUT
R2277 100
R2278 100
R2279 100
R2281 1k
R2282 1k
R2286 100
R2280 10k
K MOTHER COM BOARD (1/3) CN2004 (Page 116)
DD-12V
DD-GND
STB+5V
STB+3.3V
D+3.3V
DSP+3.3V
DSP+2.5V
D+5V
DGND
DGND
DGND
TUN+12V
TUNGND
A-10V
A+10V
A+5V
AGND
AGND
CN2012 18P
CN2011 20P
14 DIGITAL BOARD (3/8) (Page 78)
TEMP2
TEMP1
IH_SEL
9742_FS
HPOWER
IPOWER
IC2045
DATA DECODER
IC B/D
IC2045 SN74HC595ANSR
C2217 0.1
C2220 0.01
C2219 100p
L MOTHER COM BOARD (1/3) CN5805 (Page 116)
POW-RY2
POW-RY1
STOP
VPOWER
3RD-RY
2ND-RY
R2312 100 FUNC-LAT
R2309 100 AUCOM-CLK
R2308 100 AUCOM-DATA
R2306 100 PREVOL-LAT
R2303 100 PREOUT-RY
H.P-RY
C1 R2301 100 H-RESET
C2 R2297 100 H-UART_RX
R2293 100 H-UART_TX
C3 R2291 100 I-RESET
R2290 100 RTS
C4 R2289 100 CTS
C5 R2288 100 I-UART-RX
C6 R2287 100 I-UART-TX
1 DIGITAL BOARD (1/8) (Page 76)
A-10V
A+10V
A.GND
TUN+10V
TUN+3.3V
TUN.GND
IC2050
+3.3V REGULATOR
IC2050 BA10T
C2239 470 16V
C2238 100p
(AEP)
IC2052
+10V REGULATOR
IC2052 BA10T
C2244 470 16V
C2245 100p

6-23. SCHEMATIC DIAGRAM – DIGITAL BOARD (8/8) –

• See page 37 for IC Pin Function Description.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11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
DIGITAL BOARD (8/8)
23 DIGITAL BOARD (6/8) (Page 81)
24 DIGITAL BOARD (7/8) (Page 82)
IC2046 BUFFER IC2046 TC74HCT7007AF
IC2049 BUFFER IC2049 TC74HC4050AFT
IC2053 BUFFER IC2053 TC74HCT7007AF
IC2047 SIRCS SWITCH IC2047 TC7S08FU
IC2048 REMOTE COMMANDER INTERFACE IC2048 TMP87C447U -1F23
IC2051 RESET SINGNAL GENERATOR IC2051 S-80942CNMC
Q2011 RT1N141C BUFFER
Q2009, 2010 CONTROL A1 INTERFACE
Q2009 2SC2712
Q2010 2SC2712
D2005 1SS184
D2006 1SS355
D2007 1SS184
X2003 7.28MHz
FB2031
FB2035
FB2036
FB2027
STAT0
CARRIER-OUT
FLASH
MBUS
CTRL-LATCH
SIRSTS
SIRCS-INPUT
A1-OUT
STAT1
STAT2
STAT3
STAT4
VDD
MBUS_V1
MBUS_V2
MBUS_TV
SIRCS-OUT
UARTIN
ENDFLG
OUTLO2
OUTHI2
A1-IN
GND
RESET
XIN
XOUT
RESETC
RESETN
OUTHI1
OUTLO1
C2223 47 25V
C2221 0.1
C2235 0.1
C2246 0.1
C2236 0.1
C2224 0.1
C2247 0.22
C2232 100p
C2237 0.1
C2241 0.01
C2254 0.1
C2256 47 25V
R2335 10k
R2336 10k
R2337 10k
R2315 10k
R2316 10k
R2310 10k
R2320 100
R2311 4.7k
R2298 10k
R2299 10
R2300 10k
R2305 100
R2313 10k
R2314 10k
R2327 10k
R2329 1M
R2346 10k
R2348 10k
R2339 10k
CN2009 15P
IIC-DATA
IIC-CLK
OSD-LAT
OSD-CLK
OSD-DATA
R2266 100
R2267 100
R2259 100
R2258 100
R2254 100
NC
OSDLAT
OSDCLK
OSDDATA
NC(XSEL)
STB+5V
STB-GND
SIRCS IN
SIRCS OUT
TRIG1
TRIG2
TRIG3
R2232 100
R2230 100
R2228 100
TRIG-1
TRIG-2
TRIG-3
M VIDEO BOARD (3/3) CN3801 (Page 107)
CN2007 13P
R2211 100
R2209 100
R2203 100
R2200 100
R2197 100
R2193 100
R2191 100
R2189 100
V595-OE
COM2 DATA
V595-LAT
COM2 CLK
CTLA1GND
CTLA1
STB-GND
STB+3.3V
RX232
TX232
N VIDEO BOARD (1/3) CN3806 (Page 105)
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
K13
K14
K15
K16
K17
K18
K19
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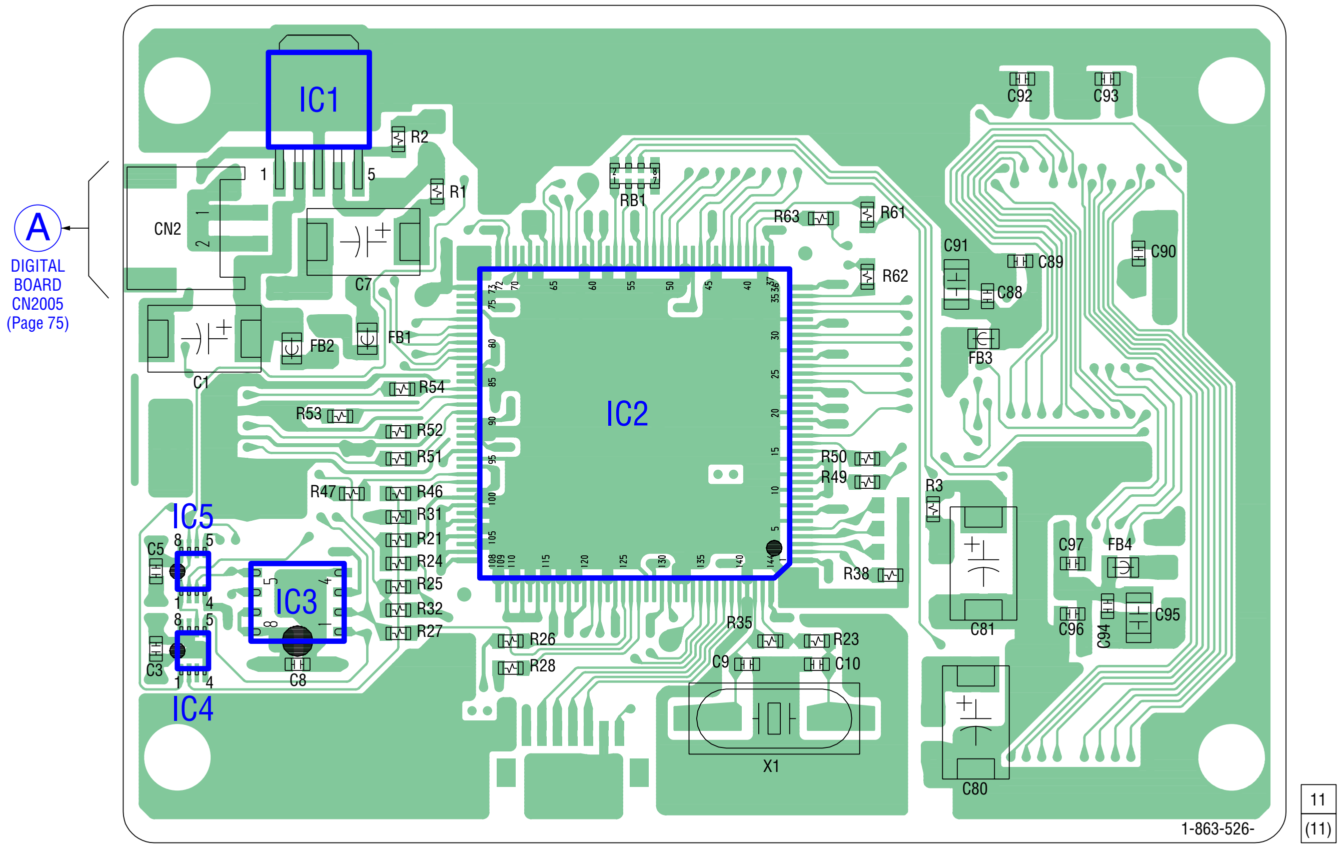
K23
K24
K25
K26
K27
K28
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
D1
D2
D3
D4

6-24. PRINTED WIRING BOARD – DSP BOARD –

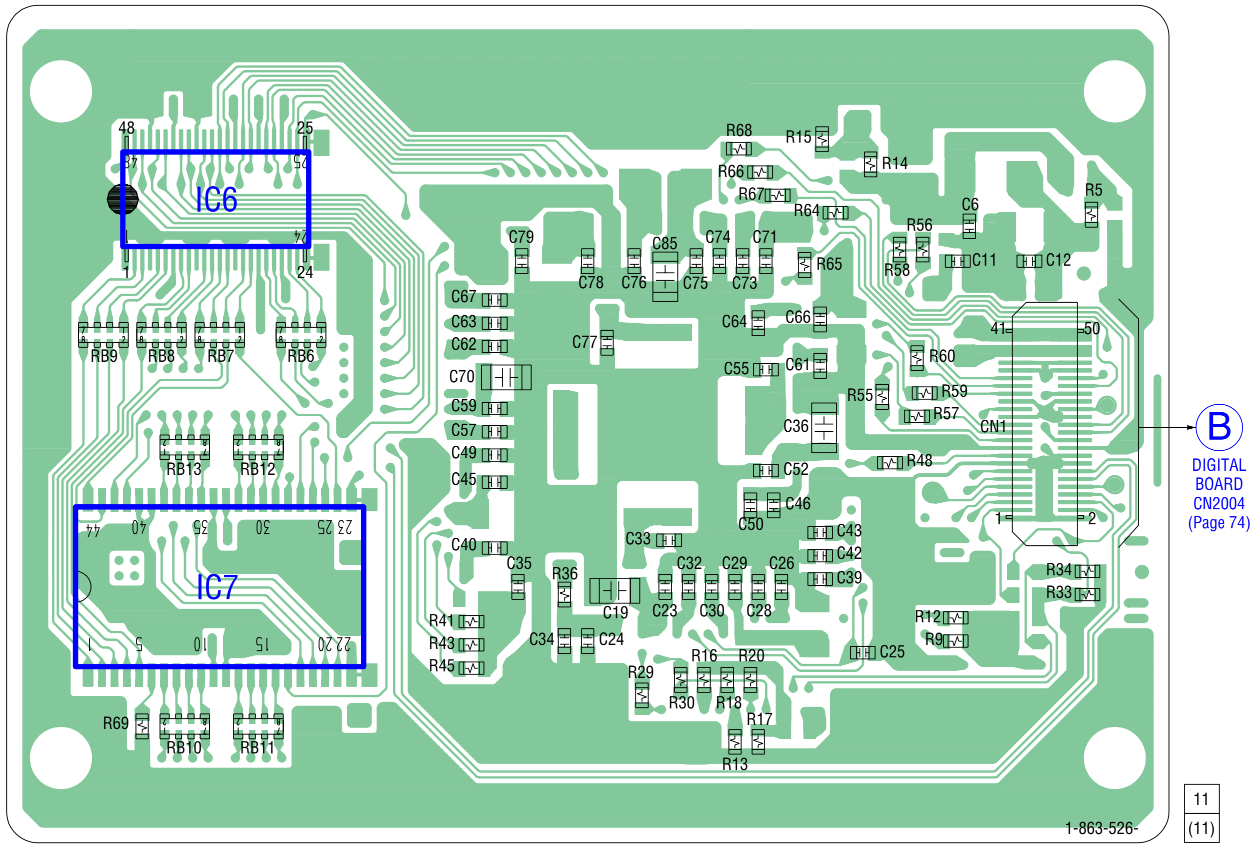
• See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.

【DSP BOARD】(COMPONENT SIDE)


A
DIGITAL BOARD CN2005 (Page 75)
CN2
IC1
IC2
IC3
IC4
IC5
X1
C1
C7
FB1
FB2
FB3
FB4
RB1
C80
C81
1-863-526-
11
(11)

【DSP BOARD】(CONDUCTOR SIDE)

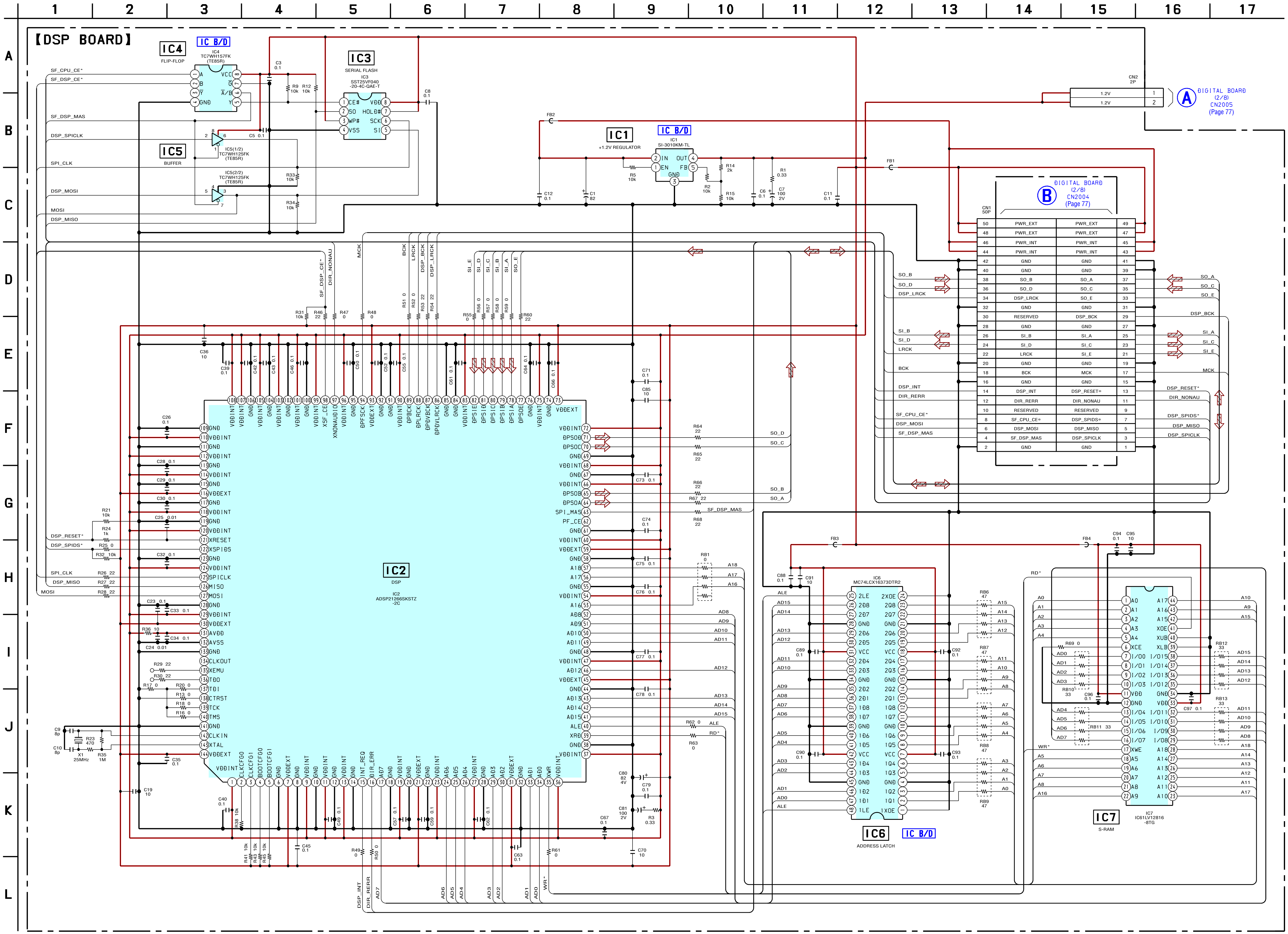

B
DIGITAL BOARD CN2004 (Page 74)
IC6
IC7
CN1
RB6
RB7
RB8
RB9
RB10
RB11
RB12
RB13
1-863-526-
11
(11)

- **Semiconductor Location**

Ref. No.	Location
IC1	B-2
IC2	C-4
IC3	D-2
IC4	D-2
IC5	D-2
IC6	B-9
IC7	D-9

6-25. SCHEMATIC DIAGRAM – DSP BOARD –

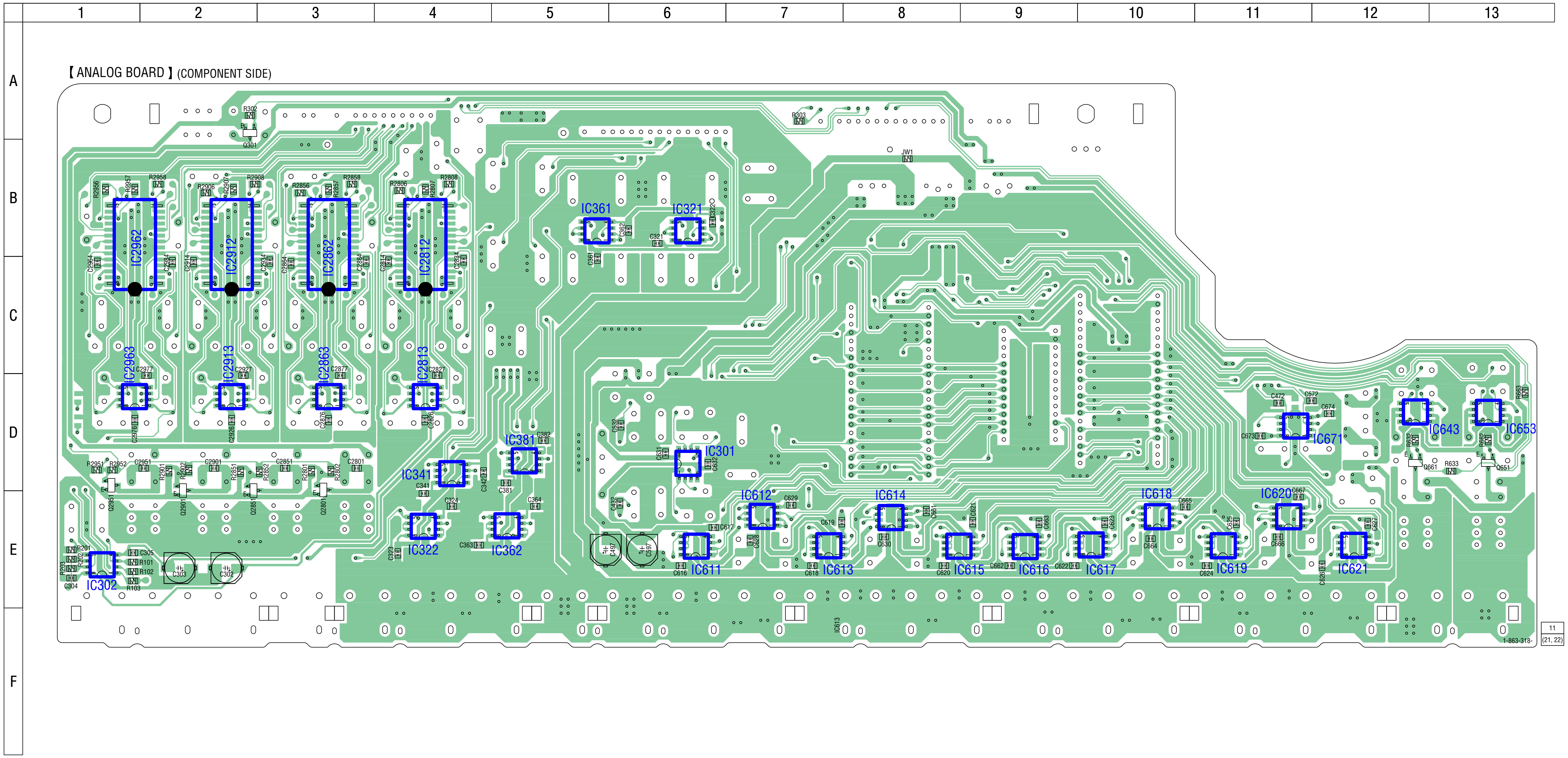
- See page 159, 160 for IC Block Diagrams.
- See page 32 for IC Pin Function Description.


【DSP BOARD】
IC4 FLIP-FLOP
IC B/D
IC4 TC7WH157FK (TE85R)
IC3 SERIAL FLASH
IC3 SST25VF040 -20-4C-QAE-T
IC5 BUFFER
IC5(1/2) TC7WH125FK (TE85R)
IC5(2/2) TC7WH125FK (TE85R)
IC1 +1.2V REGULATOR
IC1 SI-3010KM-TL
IC2 DSP
IC2 ADSP21266SKSTZ -2C
IC6 ADDRESS LATCH
IC6 MC74LCX16373DTR2
IC7 S-RAM
IC7 IC61LV12816 -8TG
CN2 2P
A DIGITAL BOARD (2/8) CN2005 (Page 77)
B DIGITAL BOARD (2/8) CN2004 (Page 77)
CN1 50P
X1 25MHz
SF_CPU_CE*
SF_DSP_CE*
SF_DSP_MAS
DSP_SPICLK
SPI_CLK
DSP_MOSI
MOSI
DSP_MISO
DSP_RESET*
DSP_SPIDS*
SO_A
SO_B
SO_C
SO_D
SO_E
SI_A
SI_B
SI_C
SI_D
SI_E
DSP_BCK
DSP_LRCK
BCK
LRCK
MCK
DSP_INT
DIR_RERR
DIR_NONAU
PWR_EXT
PWR_INT
GND
RESERVED
1.2V

6-26. PRINTED WIRING BOARD – ANALOG BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

Lf : Uses unleaded solder.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12
13
A
B
C
D
E
F
【 ANALOG BOARD 】(COMPONENT SIDE)
IC2962
IC2912
IC2862
IC2812
IC2963
IC2913
IC2863
IC2813
IC361
IC321
IC381
IC341
IC301
IC322
IC362
IC302
IC612
IC614
IC618
IC620
IC611
IC613
IC615
IC616
IC617
IC619
IC621
IC671
IC643
IC653
Q301
Q651
Q661
Q2801
Q2851
Q2901
Q2951
1-863-318-
11
(21, 22)

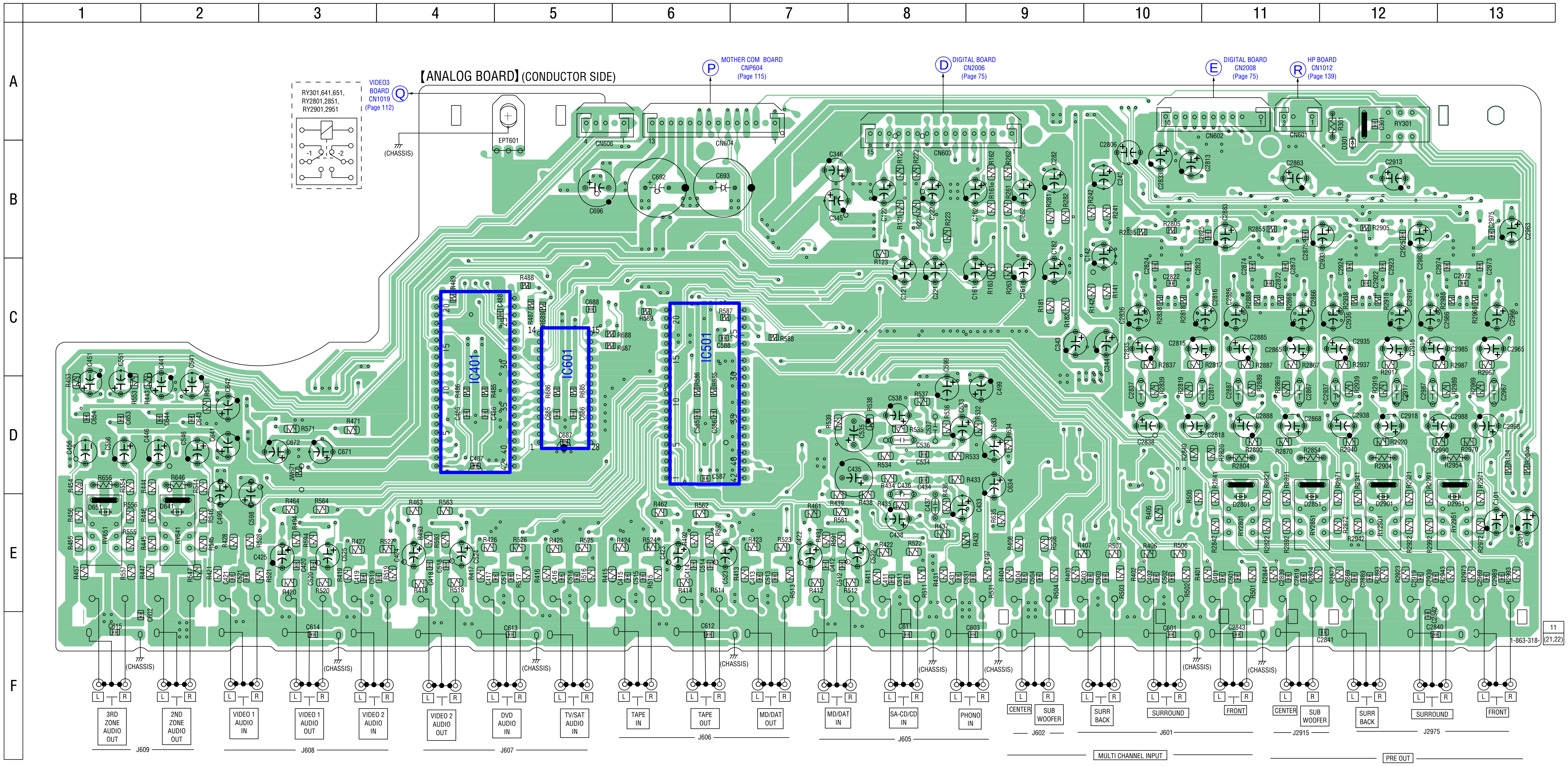
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
IC301	D-6	IC616	E-9	IC2912	B-2
IC302	E-1	IC617	E-10	IC2913	D-2
IC321	B-6	IC618	E-10	IC2962	B-1
IC322	E-4	IC619	E-11	IC2963	D-1
IC341	D-4	IC620	E-11		
IC361	B-5	IC621	E-12	Q301	A-2
IC362	E-5	IC643	D-12	Q651	D-13
IC381	D-5	IC653	D-13	Q661	D-12
IC611	E-6	IC671	D-11	Q2801	E-3
IC612	E-7	IC2812	B-4	Q2851	E-2
IC613	E-7	IC2813	D-4	Q2901	E-2
IC614	E-8	IC2862	B-3	Q2951	D-1
IC615	E-8	IC2863	D-3		

6-27. PRINTED WIRING BOARD – ANALOG BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

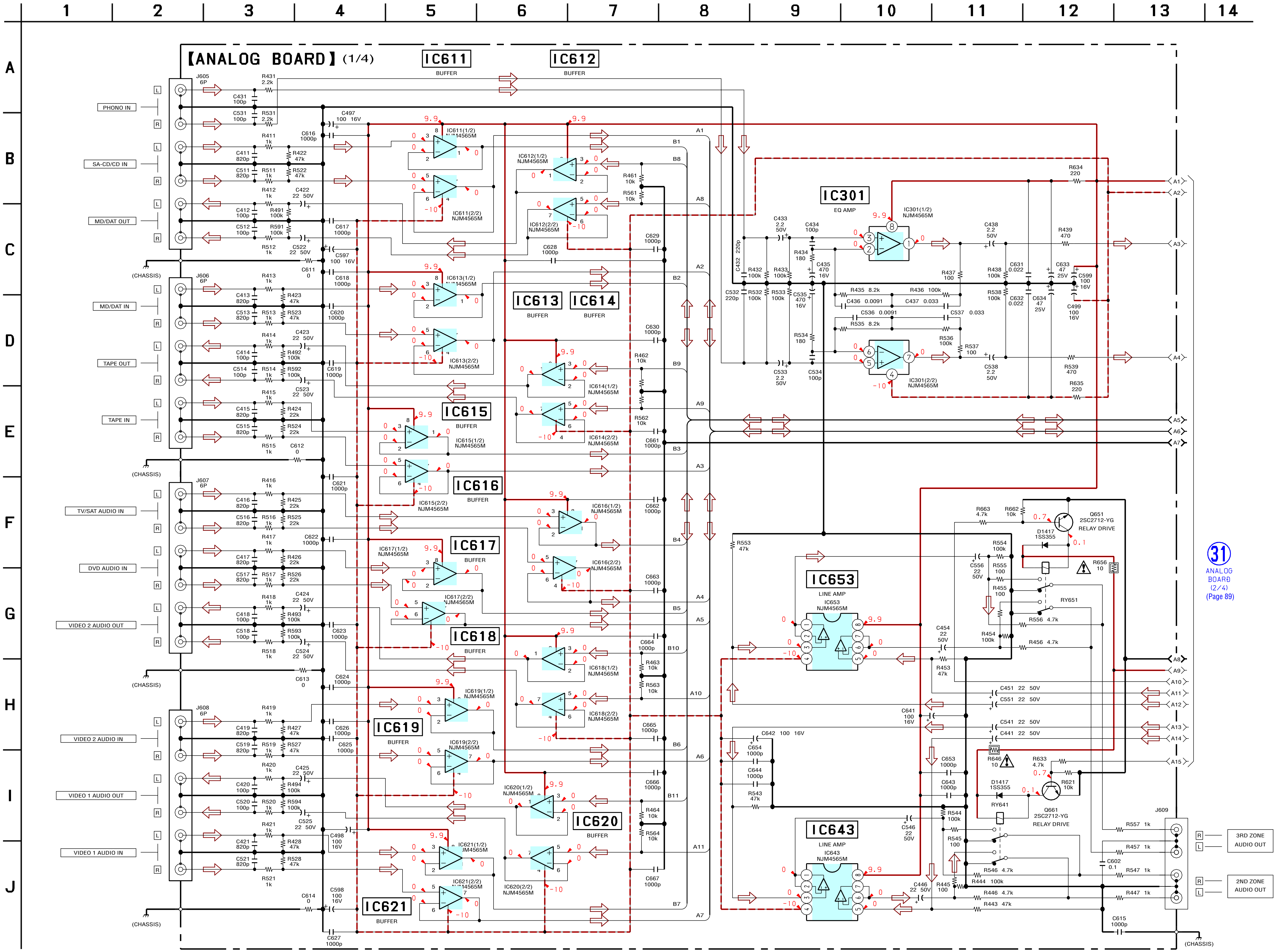
: Uses unleaded solder.


【ANALOG BOARD】(CONDUCTOR SIDE)
RY301,641,651,
RY2801,2851,
RY2901,2951
VIDEO3 BOARD CN1019 (Page 112)
Q
P
MOTHER COM BOARD CNP604 (Page 115)
D
DIGITAL BOARD CN2006 (Page 75)
E
DIGITAL BOARD CN2008 (Page 75)
R
HP BOARD CN1012 (Page 139)
EPT601
(CHASSIS)
CN606
CN604
CN603
CN602
CN601
RY301
D301
IC401
IC501
IC601
3RD ZONE AUDIO OUT
2ND ZONE AUDIO OUT
J609
VIDEO 1 AUDIO IN
VIDEO 1 AUDIO OUT
VIDEO 2 AUDIO IN
J608
VIDEO 2 AUDIO OUT
DVD AUDIO IN
TV/SAT AUDIO IN
J607
TAPE IN
TAPE OUT
MD/DAT OUT
J606
MD/DAT IN
SA-CD/CD IN
J605
PHONO IN
CENTER
SUB WOOFER
J602
SURR BACK
SURROUND
FRONT
J601
MULTI CHANNEL INPUT
CENTER
SUB WOOFER
J2915
SURR BACK
SURROUND
FRONT
J2975
PRE OUT
1-863-318-11 (21,22)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
10
11
12
13

- **Semiconductor Location**

Ref. No.	Location
D301	B-12
D641	E-2
D651	E-1
D2801	E-11
D2851	E-11
D2901	E-12
D2951	E-13
IC401	D-4
IC501	D-6
IC601	D-5

6-28. SCHEMATIC DIAGRAM – ANALOG BOARD (1/4) –


1
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7
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9
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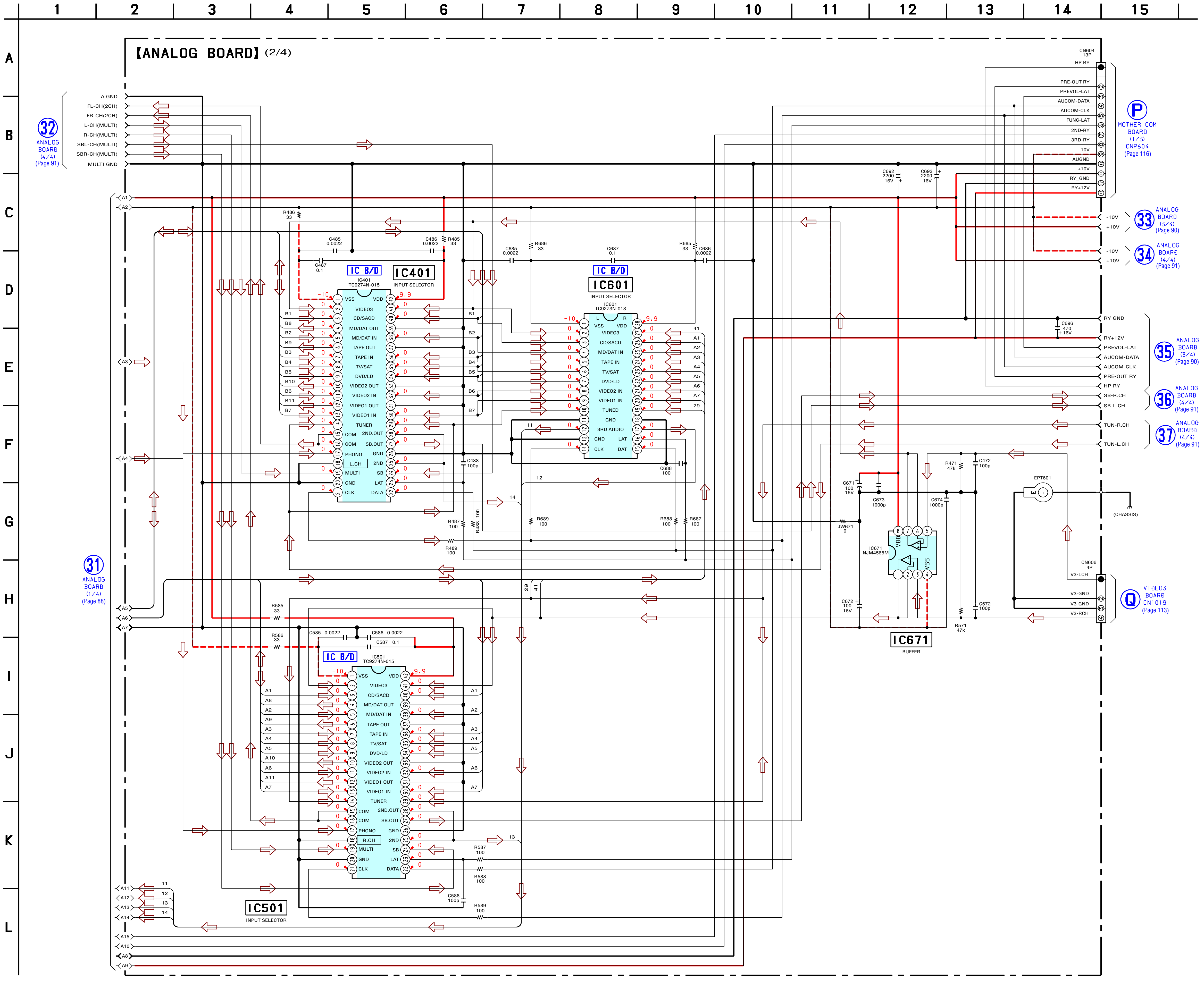
11
12
13
14
A
B
C
D
E
F
G
H
I
J
【ANALOG BOARD】(1/4)
IC611
BUFFER
IC612
BUFFER
IC301
EQ AMP
IC613
BUFFER
IC614
BUFFER
IC615
BUFFER
IC616
BUFFER
IC617
BUFFER
IC618
BUFFER
IC619
BUFFER
IC620
BUFFER
IC621
BUFFER
IC653
LINE AMP
IC653 NJM4565M
IC643
LINE AMP
IC643 NJM4565M
PHONO IN
SA-CD/CD IN
MD/DAT OUT
MD/DAT IN
TAPE OUT
TAPE IN
TV/SAT AUDIO IN
DVD AUDIO IN
VIDEO 2 AUDIO OUT
VIDEO 2 AUDIO IN
VIDEO 1 AUDIO OUT
VIDEO 1 AUDIO IN
(CHASSIS)
J605 6P
J606 6P
J607 6P
J608 6P
J609
3RD ZONE AUDIO OUT
2ND ZONE AUDIO OUT
Q651 2SC2712-YG RELAY DRIVE
Q661 2SC2712-YG RELAY DRIVE
RY651
RY641
D1417 1SS355
31 ANALOG BOARD (2/4) (Page 89)
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11

6-29. SCHEMATIC DIAGRAM – ANALOG BOARD (2/4) –

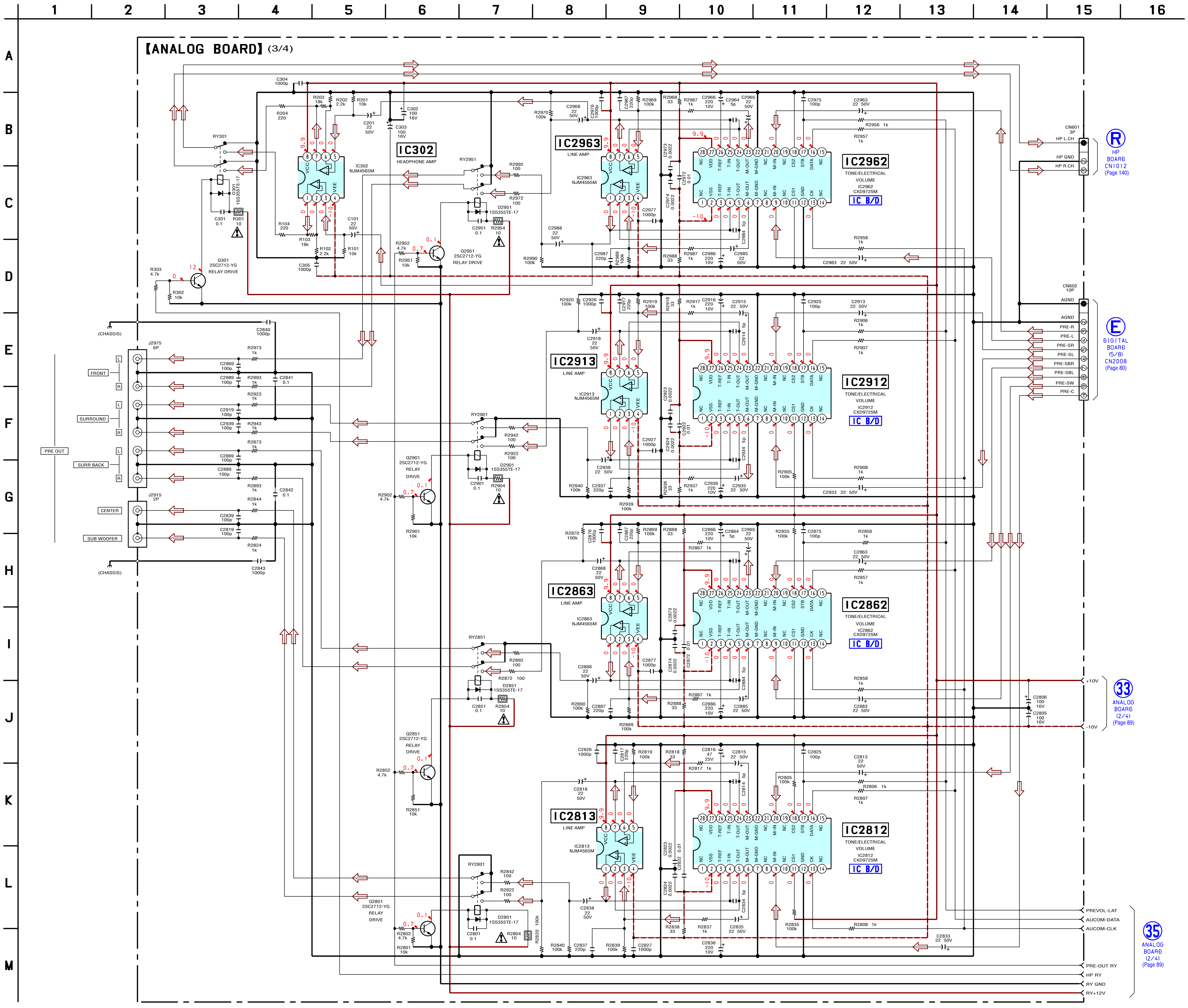
• See page 154, 155 for IC Block Diagrams.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K L
【ANALOG BOARD】(2/4)
32 ANALOG BOARD (4/4) (Page 91)
A.GND
FL-CH(2CH)
FR-CH(2CH)
L-CH(MULTI)
R-CH(MULTI)
SBL-CH(MULTI)
SBR-CH(MULTI)
MULTI GND
IC B/D
IC401
IC401 TC9274N-015
INPUT SELECTOR
VSS
VDD
VIDEO3
CD/SACD
MD/DAT OUT
MD/DAT IN
TAPE OUT
TAPE IN
TV/SAT
DVD/LD
VIDEO2 OUT
VIDEO2 IN
VIDEO1 OUT
VIDEO1 IN
TUNER
COM
2ND.OUT
SB.OUT
PHONO
GND
L.CH
2ND
MULTI
SB
LAT
CLK
DATA
IC601
IC601 TC9273N-013
INPUT SELECTOR
L
R
3RD AUDIO
TUNED
IC501
IC501 TC9274N-015
R.CH
IC671
IC671 NJM4565M
BUFFER
CN604 13P
HP RY
PRE-OUT RY
PREVOL-LAT
AUCOM-DATA
AUCOM-CLK
FUNC-LAT
2ND-RY
3RD-RY
-10V
AUGND
+10V
RY_GND
RY+12V
P MOTHER COM BOARD (1/3) CNP604 (Page 116)
33 ANALOG BOARD (3/4) (Page 90)
34 ANALOG BOARD (4/4) (Page 91)
35 ANALOG BOARD (3/4) (Page 90)
36 ANALOG BOARD (4/4) (Page 91)
37 ANALOG BOARD (4/4) (Page 91)
31 ANALOG BOARD (1/4) (Page 88)
Q VIDEO3 BOARD CN1019 (Page 113)
RY GND
RY+12V
PREVOL-LAT
AUCOM-DATA
AUCOM-CLK
PRE-OUT RY
HP RY
SB-R.CH
SB-L.CH
TUN-R.CH
TUN-L.CH
CN606 4P
V3-LCH
V3-GND
V3-GND
V3-RCH
EPT601
(CHASSIS)
JW671 0
C692 2200 16V
C693 2200 16V
C696 470 16V
R486 33
R485 33
C485 0.0022
C486 0.0022
C487 0.1
C685 0.0022
R686 33
C687 0.1
R685 33
C686 0.0022
C488 100p
C688 100
R487 100
R488 100
R489 100
R689 100
R688 100
R687 100
R585 33
R586 33
C585 0.0022
C586 0.0022
C587 0.1
C588 100p
R587 100
R588 100
R589 100
R471 47k
C472 100p
C671 100 16V
C673 1000p
C674 1000p
C672 100 16V
R571 47k
C572 100p
A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11
-10
9.9

6-30. SCHEMATIC DIAGRAM – ANALOG BOARD (3/4) –

• See page 154 for IC Block Diagrams.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13
14
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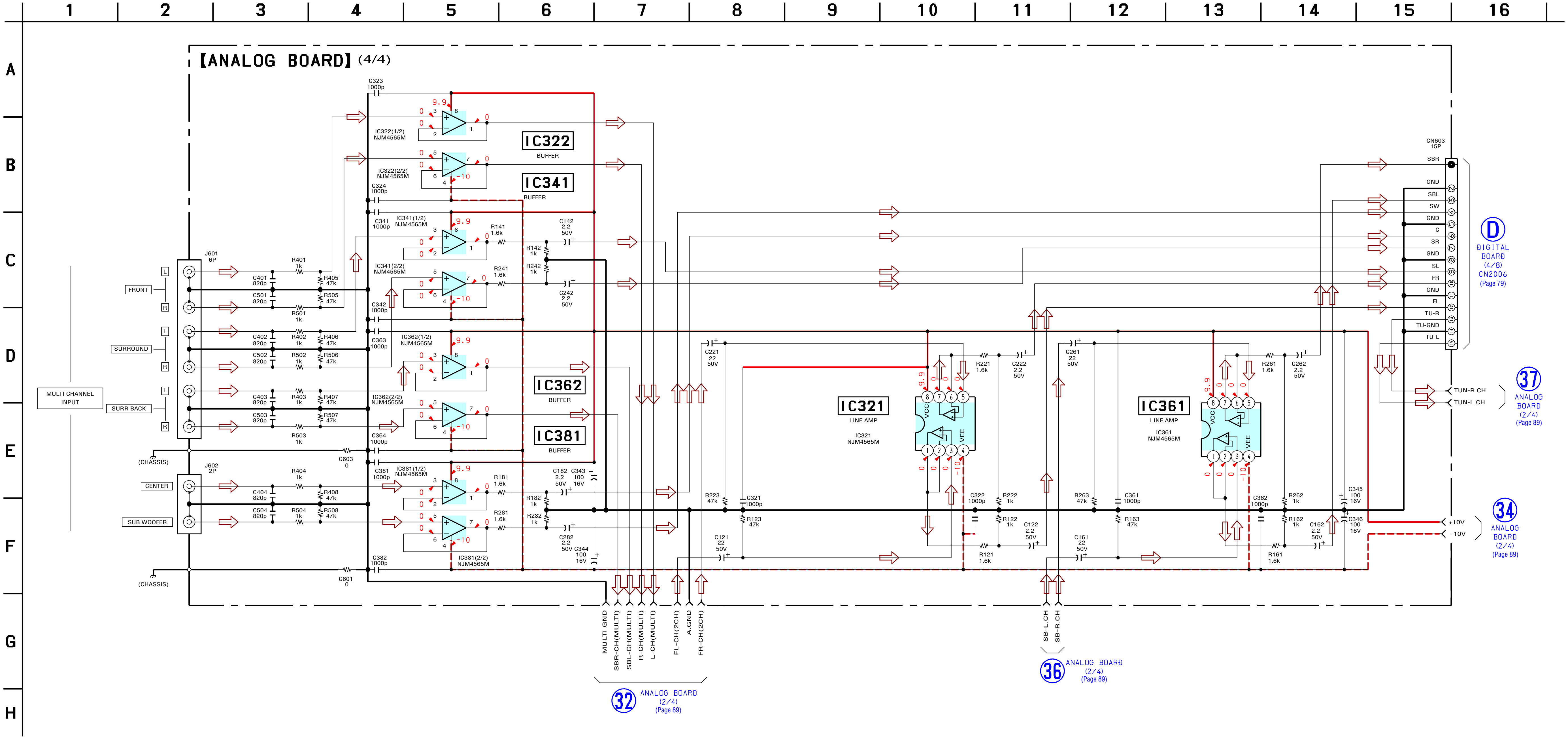
16
A
B
C
D
E
F
G
H
I
J
K
L
M
【ANALOG BOARD】(3/4)
IC302
HEADPHONE AMP
IC302 NJM4565M
IC2963
LINE AMP
IC2963 NJM4565M
IC2962
TONE/ELECTRICAL VOLUME
IC2962 CXD9725M
IC B/D
IC2913
LINE AMP
IC2913 NJM4565M
IC2912
TONE/ELECTRICAL VOLUME
IC2912 CXD9725M
IC2863
LINE AMP
IC2863 NJM4565M
IC2862
TONE/ELECTRICAL VOLUME
IC2862 CXD9725M
IC2813
LINE AMP
IC2813 NJM4565M
IC2812
TONE/ELECTRICAL VOLUME
IC2812 CXD9725M
RY301
RY2951
RY2901
RY2851
RY2801
Q301 2SC2712-YG RELAY DRIVE
Q2951 2SC2712-YG RELAY DRIVE
Q2901 2SC2712-YG RELAY DRIVE
Q2851 2SC2712-YG RELAY DRIVE
Q2801 2SC2712-YG RELAY DRIVE
D301 1SS355TE-17
D2951 1SS355TE-17
D2901 1SS355TE-17
D2851 1SS355TE-17
D2801 1SS355TE-17
J2975 6P
J2915 2P
(CHASSIS)
FRONT
SURROUND
PRE OUT
SURR BACK
CENTER
SUB WOOFER
L
R
CN601 3P
HP L.CH
HP GND
HP R.CH
R
HP BOARD CN1012 (Page 140)
CN602 10P
AGND
PRE-R
PRE-L
PRE-SR
PRE-SL
PRE-SBR
PRE-SBL
PRE-SW
PRE-C
E
DIGITAL BOARD (5/8) CN2008 (Page 80)
+10V
-10V
33
ANALOG BOARD (2/4) (Page 89)
PREVOL-LAT
AUCOM-DATA
AUCOM-CLK
PRE-OUT RY
HP RY
RY GND
RY+12V
35
ANALOG BOARD (2/4) (Page 89)
NC
VDD
T-REF
T-IN
T-OUT
M-OUT
M-GND
M-IN
CS2
STB
DATA
VSS
CS1
GND
CK
VCC
VEE
9.9
-10
0.1
0.7
12

6-31. SCHEMATIC DIAGRAM – ANALOG BOARD (4/4) –



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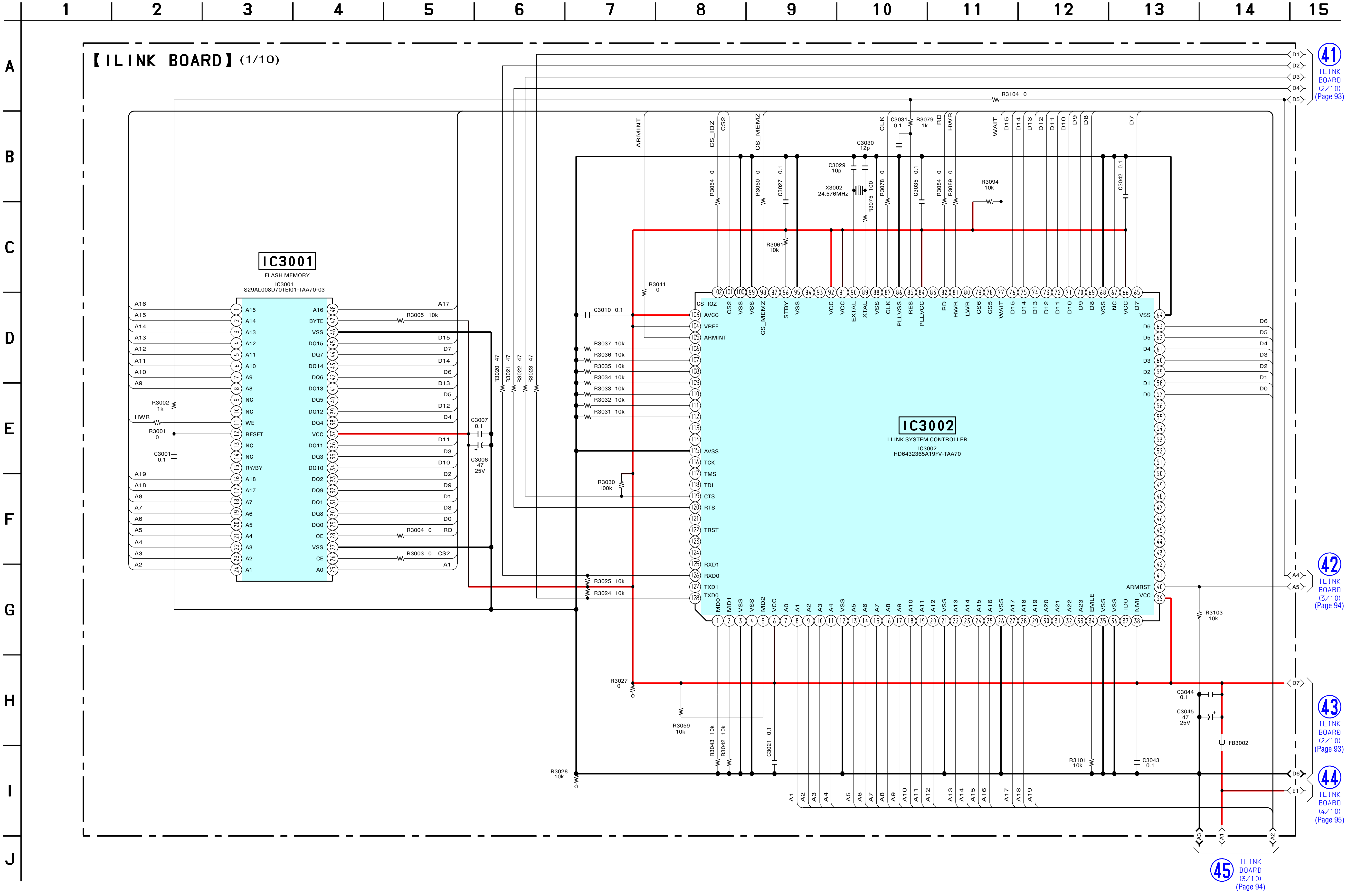
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
【ANALOG BOARD】(4/4)
IC322
BUFFER
IC341
BUFFER
IC362
BUFFER
IC381
BUFFER
IC321
LINE AMP
IC321 NJM4565M
IC361
LINE AMP
IC361 NJM4565M
IC322(1/2) NJM4565M
IC322(2/2) NJM4565M
IC341(1/2) NJM4565M
IC341(2/2) NJM4565M
IC362(1/2) NJM4565M
IC362(2/2) NJM4565M
IC381(1/2) NJM4565M
IC381(2/2) NJM4565M
J601 6P
J602 2P
MULTI CHANNEL INPUT
FRONT
SURROUND
SURR BACK
CENTER
SUB WOOFER
L
R
(CHASSIS)
C323 1000p
C324 1000p
C341 1000p
C342 1000p
C363 1000p
C364 1000p
C381 1000p
C382 1000p
C401 820p
C402 820p
C403 820p
C404 820p
C501 820p
C502 820p
C503 820p
C504 820p
R401 1k
R402 1k
R403 1k
R404 1k
R405 47k
R406 47k
R407 47k
R408 47k
R501 1k
R502 1k
R503 1k
R504 1k
R505 47k
R506 47k
R507 47k
R508 47k
C603 0
C601 0
R141 1.6k
R142 1k
R241 1.6k
R242 1k
R181 1.6k
R182 1k
R281 1.6k
R282 1k
C142 2.2 50V
C242 2.2 50V
C182 2.2 50V
C282 2.2 50V
C343 100 16V
C344 100 16V
C221 22 50V
C121 22 50V
C261 22 50V
C161 22 50V
R223 47k
R123 47k
R263 47k
R163 47k
C321 1000p
C322 1000p
C361 1000p
C362 1000p
R221 1.6k
R121 1.6k
R261 1.6k
R161 1.6k
R222 1k
R122 1k
R262 1k
R162 1k
C222 2.2 50V
C122 2.2 50V
C262 2.2 50V
C162 2.2 50V
C345 100 16V
C346 100 16V
VCC
VEE
9.9
0
-10
CN603 15P
SBR
GND
SBL
SW
GND
C
SR
GND
SL
FR
GND
FL
TU-R
TU-GND
TU-L
D
DIGITAL BOARD (4/8) CN2006 (Page 79)
TUN-R.CH
TUN-L.CH
37
ANALOG BOARD (2/4) (Page 89)
+10V
-10V
34
ANALOG BOARD (2/4) (Page 89)
MULTI GND
SBR-CH(MULTI)
SBL-CH(MULTI)
R-CH(MULTI)
L-CH(MULTI)
FL-CH(2CH)
A.GND
FR-CH(2CH)
32
ANALOG BOARD (2/4) (Page 89)
SB-L.CH
SB-R.CH
36
ANALOG BOARD (2/4) (Page 89)

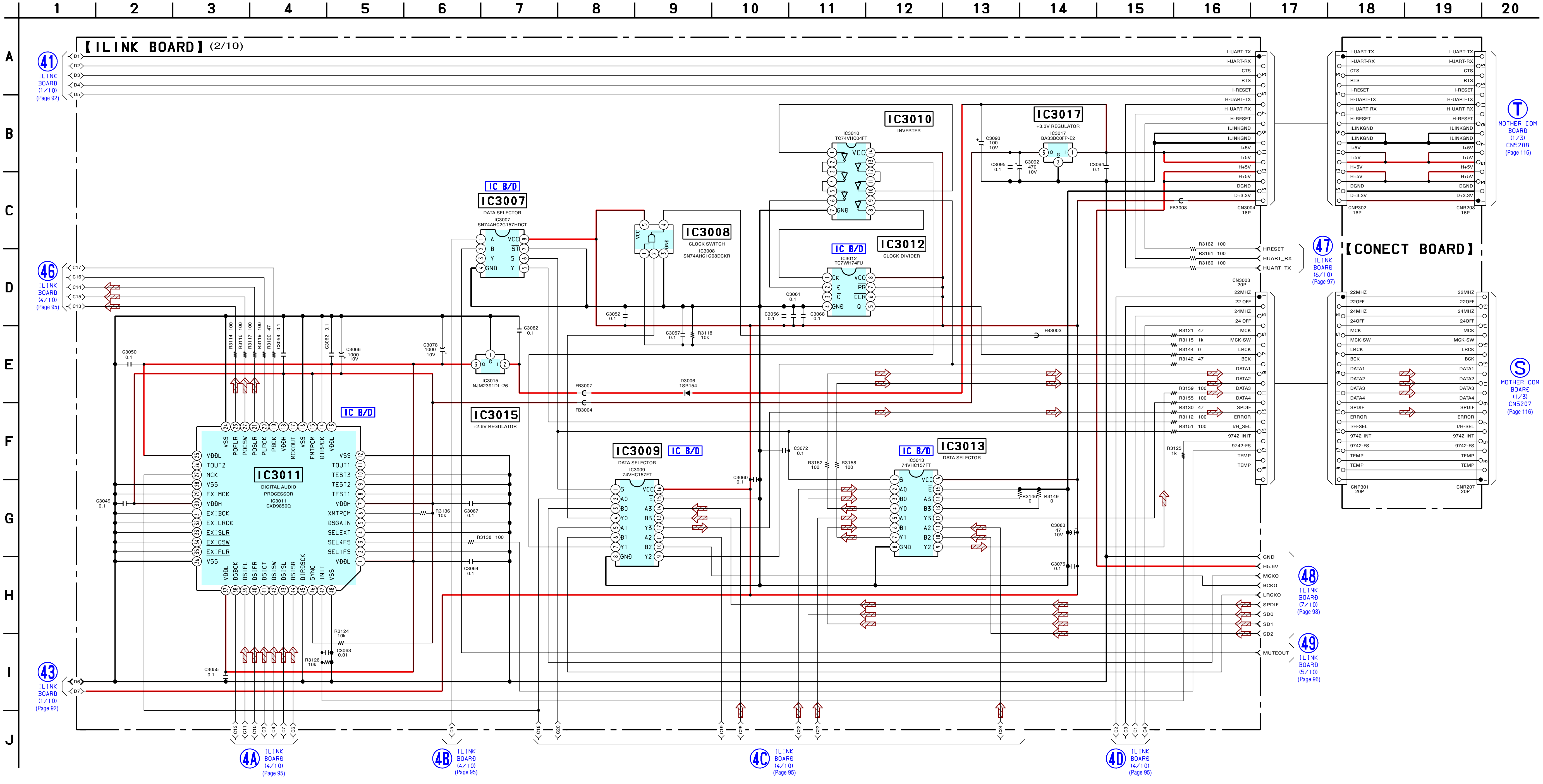
6-32. SCHEMATIC DIAGRAM – ILINK SECTION (1/10) –

• See page 42 for IC Pin Function Description.


【ILINK BOARD】(1/10)
IC3001
FLASH MEMORY
IC3001
S29AL008D70TEI01-TAA70-03
IC3002
I.LINK SYSTEM CONTROLLER
IC3002
HD6432365A19FV-TAA70
X3002
24.576MHz
41
ILINK
BOARD
(2/10)
(Page 93)
42
ILINK
BOARD
(3/10)
(Page 94)
43
ILINK
BOARD
(2/10)
(Page 93)
44
ILINK
BOARD
(4/10)
(Page 95)
45
ILINK
BOARD
(3/10)
(Page 94)

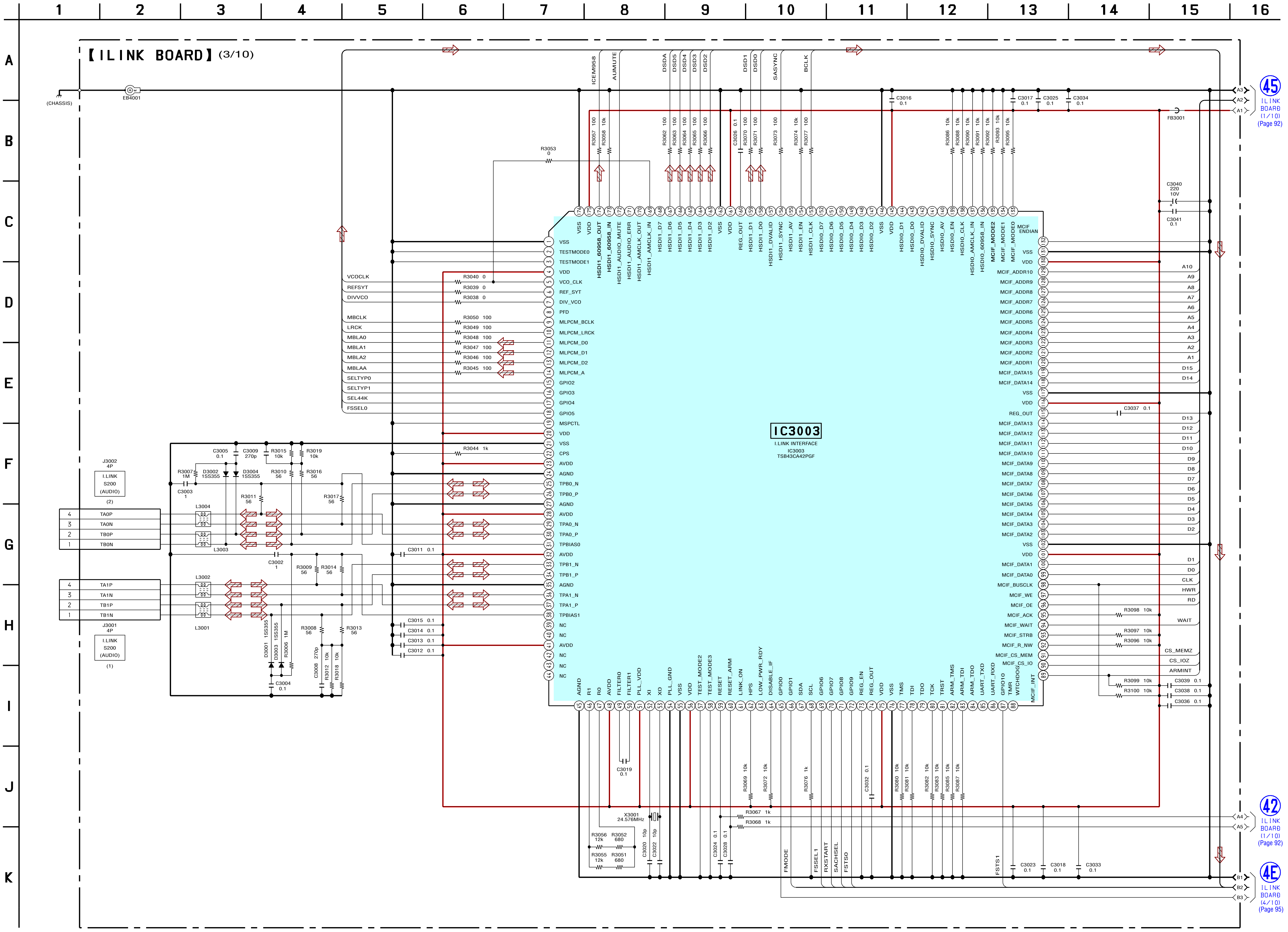
6-33. SCHEMATIC DIAGRAM – ILINK SECTION (2/10) –

• See page 148, 149 for IC Block Diagrams.


【ILINK BOARD】(2/10)
【CONECT BOARD】
IC3007
DATA SELECTOR
SN74AHC2G157HDCT
IC B/D
IC3008
CLOCK SWITCH
SN74AHC1G08DCKR
IC3010
INVERTER
TC74VHC04FT
IC3012
CLOCK DIVIDER
TC7WH74FU
IC3017
+3.3V REGULATOR
BA33BC0FP-E2
IC3015
+2.6V REGULATOR
NJM2391DL-26
IC3011
DIGITAL AUDIO PROCESSOR
CXD9850Q
IC3009
DATA SELECTOR
74VHC157FT
IC3013
DATA SELECTOR
74VHC157FT
41 ILINK BOARD (1/10) (Page 92)
46 ILINK BOARD (4/10) (Page 95)
43 ILINK BOARD (1/10) (Page 92)
47 ILINK BOARD (6/10) (Page 97)
48 ILINK BOARD (7/10) (Page 98)
49 ILINK BOARD (5/10) (Page 96)
4A ILINK BOARD (4/10) (Page 95)
4B ILINK BOARD (4/10) (Page 95)
4C ILINK BOARD (4/10) (Page 95)
4D ILINK BOARD (4/10) (Page 95)
T MOTHER COM BOARD (1/3) CN5208 (Page 116)
S MOTHER COM BOARD (1/3) CN5207 (Page 116)
CN3004 16P
CNP302 16P
CNR208 16P
CN3003 20P
CNP301 20P
CNR207 20P
I-UART-TX
I-UART-RX
CTS
RTS
I-RESET
H-UART-TX
H-UART-RX
H-RESET
ILINKGND
I+5V
H+5V
DGND
D+3.3V
HRESET
HUART_RX
HUART_TX
22MHZ
22OFF
24MHZ
24OFF
MCK
MCK-SW
LRCK
BCK
DATA1
DATA2
DATA3
DATA4
SPDIF
ERROR
I/H-SEL
9742-INT
9742-FS
TEMP
GND
H5.6V
MCKO
BCKO
LRCKO
SDO
SD1
SD2
MUTEOUT
D3006 1SR154
FB3007
FB3004
FB3008
FB3003

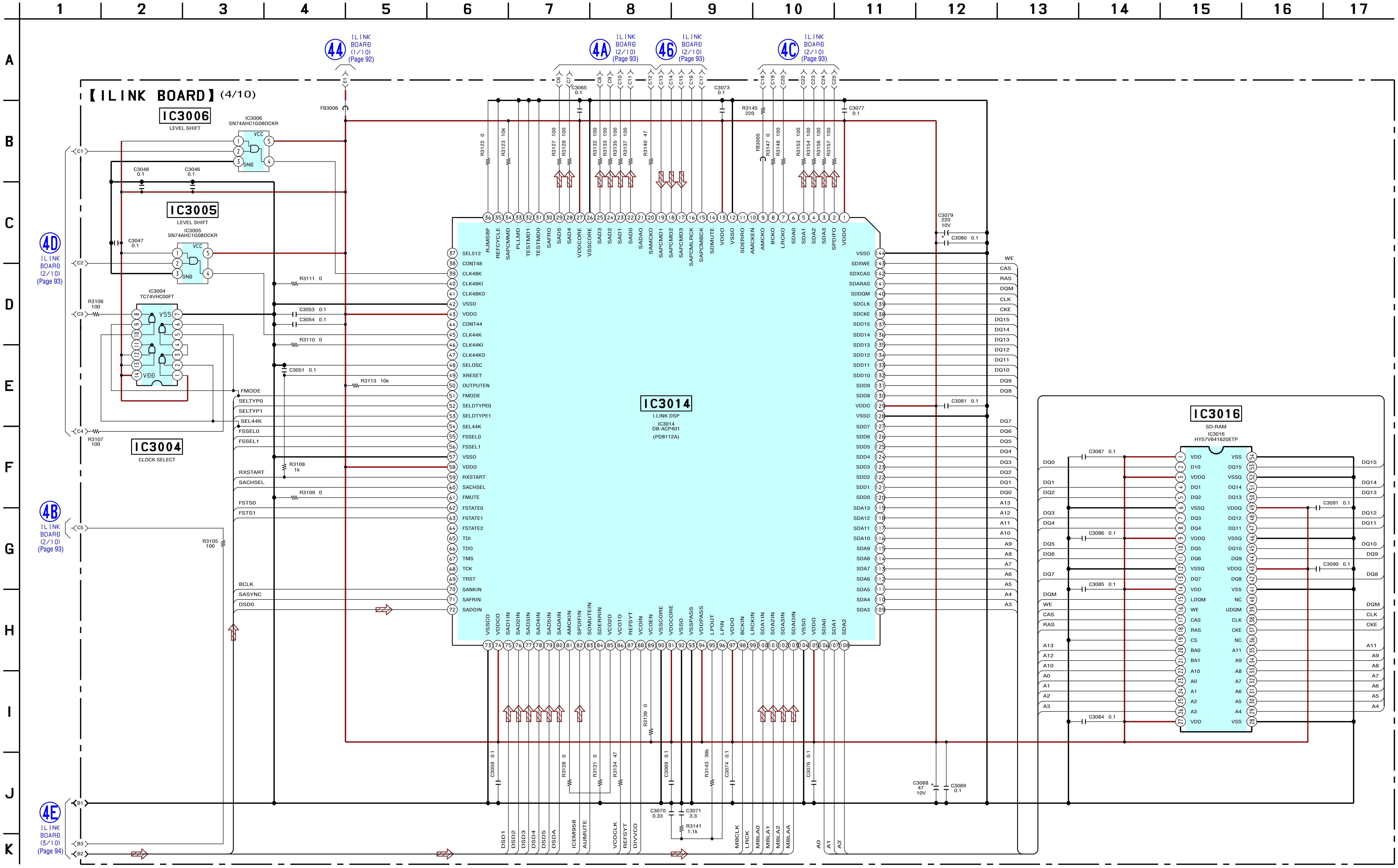
6-34. SCHEMATIC DIAGRAM – ILINK SECTION (3/10) –

• See page 44 for IC Pin Function Description.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K
【ILINK BOARD】(3/10)
(CHASSIS)
EB4001
IC3003
I.LINK INTERFACE
IC3003
TSB43CA42PGF
J3002 4P I.LINK S200 (AUDIO) (2)
J3001 4P I.LINK S200 (AUDIO) (1)
4 TA0P
3 TA0N
2 TB0P
1 TB0N
4 TA1P
3 TA1N
2 TB1P
1 TB1N
L3004
L3003
L3002
L3001
C3005 0.1
C3009 270p
R3015 10k
R3019 10k
R3007 1M
D3002 1SS355
D3004 1SS355
R3010 56
R3016 56
C3003 1
R3011 56
R3017 56
C3002 1
R3009 56
R3014 56
C3011 0.1
D3001 1SS355
D3003 1SS355
R3006 1M
R3008 56
C3008 270p
R3012 10k
R3018 10k
R3013 56
C3004 0.1
C3015 0.1
C3014 0.1
C3013 0.1
C3012 0.1
VCOCLK
REFSYT
DIVVCO
MBCLK
LRCK
MBLA0
MBLA1
MBLA2
MBLAA
SELTYP0
SELTYP1
SEL44K
FSSEL0
R3040 0
R3039 0
R3038 0
R3050 100
R3049 100
R3048 100
R3047 100
R3046 100
R3045 100
R3044 1k
R3053 0
VSS
TESTMODE0
TESTMODE1
VDD
VCO_CLK
REF_SYT
DIV_VCO
PFD
MLPCM_BCLK
MLPCM_LRCK
MLPCM_D0
MLPCM_D1
MLPCM_D2
MLPCM_A
GPIO2
GPIO3
GPIO4
GPIO5
MSPCTL
VDD
VSS
CPS
AVDD
AGND
TPB0_N
TPB0_P
AGND
AVDD
TPA0_N
TPA0_P
TPBIAS0
AVDD
TPB1_N
TPB1_P
AGND
TPA1_N
TPA1_P
TPBIAS1
NC
NC
AVDD
NC
NC
NC
ICEM958
AUMUTE
DSDA
DSD5
DSD4
DSD3
DSD2
DSD1
DSD0
SASYNC
BCLK
R3057 100
R3058 10k
R3062 100
R3063 100
R3064 100
R3065 100
R3066 100
C3026 0.1
R3070 100
R3071 100
R3073 100
R3074 10k
R3077 100
R3086 10k
R3088 10k
R3090 10k
R3091 10k
R3092 10k
R3093 10k
R3095 10k
C3016 0.1
C3017 0.1
C3025 0.1
C3034 0.1
FB3001
C3040 220 10V
C3041 0.1
VSS
VDD
HSDI1_60958_OUT
HSDI1_60958_IN
HSDI1_AUDIO_MUTE
HSDI1_AUDIO_ERR
HSDI1_AMCLK_OUT
HSDI1_AMCLK_IN
HSDI1_D7
HSDI1_D6
HSDI1_D5
HSDI1_D4
HSDI1_D3
HSDI1_D2
VSS
VDD
REG_OUT
HSDI1_D1
HSDI1_D0
HSDI1_DVALID
HSDI1_SYNC
HSDI1_AV
HSDI1_EN
HSDI1_CLK
HSDI0_D7
HSDI0_D6
HSDI0_D5
HSDI0_D4
HSDI0_D3
HSDI0_D2
VSS
VDD
HSDI0_D1
HSDI0_D0
HSDI0_DVALID
HSDI0_SYNC
HSDI0_AV
HSDI0_EN
HSDI0_CLK
HSDI0_AMCLK_IN
HSDI0_60958_IN
MCIF_MODE2
MCIF_MODE1
MCIF_MODE0
MCIF ENDIAN
VSS
VDD
MCIF_ADDR10
MCIF_ADDR9
MCIF_ADDR8
MCIF_ADDR7
MCIF_ADDR6
MCIF_ADDR5
MCIF_ADDR4
MCIF_ADDR3
MCIF_ADDR2
MCIF_ADDR1
MCIF_DATA15
MCIF_DATA14
VSS
VDD
REG_OUT
MCIF_DATA13
MCIF_DATA12
MCIF_DATA11
MCIF_DATA10
MCIF_DATA9
MCIF_DATA8
MCIF_DATA7
MCIF_DATA6
MCIF_DATA5
MCIF_DATA4
MCIF_DATA3
MCIF_DATA2
VSS
VDD
MCIF_DATA1
MCIF_DATA0
MCIF_BUSCLK
MCIF_WE
MCIF_OE
MCIF_ACK
MCIF_WAIT
MCIF_STRB
MCIF_R_NW
MCIF_CS_MEM
MCIF_CS_IO
MCIF_INT
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
D15
D14
C3037 0.1
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
CLK
HWR
RD
R3098 10k
WAIT
R3097 10k
R3096 10k
CS_MEMZ
CS_IOZ
ARMINT
R3099 10k
R3100 10k
C3039 0.1
C3038 0.1
C3036 0.1
AGND
R1
R0
AVDD
FILTER0
FILTER1
PLL_VDD
XI
XO
PLL_GND
VSS
VDD
TEST_MODE2
TEST_MODE3
RESET
RESET_ARM
LINK_ON
HPS
LOW_PWR_RDY
DISABLE_IF
GPIO0
GPIO1
SDA
SCL
GPIO6
GPIO7
GPIO8
GPIO9
REG_EN
REG_OUT
VDD
VSS
TMS
TDI
TDO
TCK
TRST
ARM_TMS
ARM_TDI
ARM_TDO
UART_TXD
UART_RXD
GPIO10
TMR WTCHDOG
C3019 0.1
X3001 24.576MHz
R3056 12k
R3052 680
R3055 12k
R3051 680
C3020 10p
C3022 10p
C3024 0.1
C3028 0.1
R3069 10k
R3072 10k
R3076 1k
C3032 0.1
R3080 10k
R3081 10k
R3082 10k
R3083 10k
R3085 10k
R3087 10k
R3067 1k
R3068 1k
FMODE
FSSEL1
RXSTART
SACHSEL
FSTS0
FSTS1
C3023 0.1
C3018 0.1
C3033 0.1
A3
A2
A1
A4
A5
B1
B2
B3
45 I.LINK BOARD (1/10) (Page 92)
42 I.LINK BOARD (1/10) (Page 92)
4E I.LINK BOARD (4/10) (Page 95)

6-35. SCHEMATIC DIAGRAM – ILINK SECTION BOARD (4/10) –

• See page 47 for IC Pin Function Description.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C
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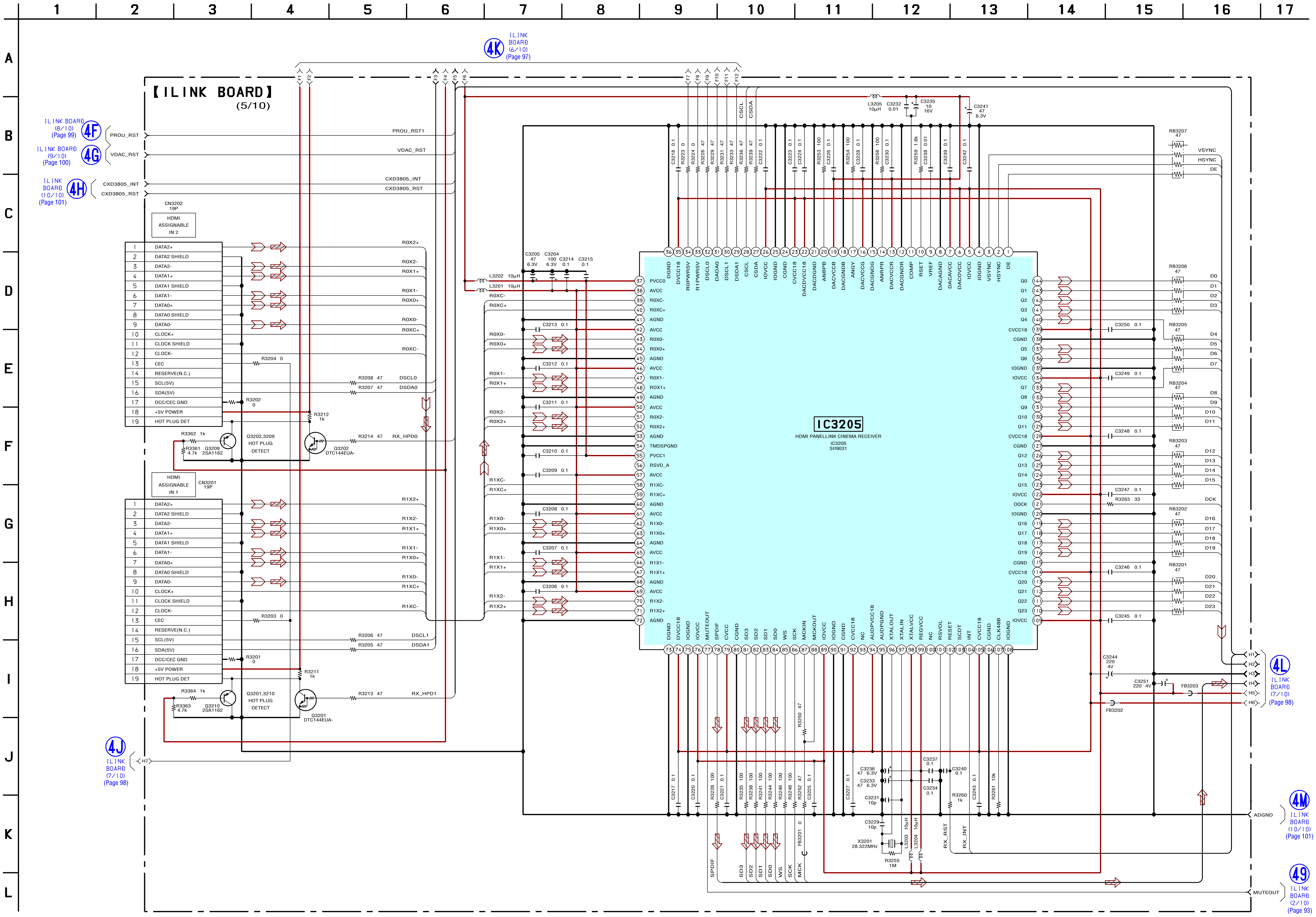
E
F
G
H
I
J
K
44 ILINK BOARD (1/10) (Page 92)
4A ILINK BOARD (2/10) (Page 93)
4G ILINK BOARD (2/10) (Page 93)
4C ILINK BOARD (2/10) (Page 93)
4D ILINK BOARD (2/10) (Page 93)
4B ILINK BOARD (2/10) (Page 93)
4E ILINK BOARD (3/10) (Page 94)
【ILINK BOARD】(4/10)
IC3006
LEVEL SHIFT
IC3006 SN74AHC1G08DCKR
IC3005
LEVEL SHIFT
IC3005 SN74AHC1G08DCKR
IC3004 TC74VHC00FT
IC3004
CLOCK SELECT
IC3014
I.LINK DSP
IC3014 DB-ACP401 (PD8112A)
IC3016
SD-RAM
IC3016 HY57V641620ETP
FB3006
FB3005
C3048 0.1
C3046 0.1
C3047 0.1
C3065 0.1
C3073 0.1
C3077 0.1
C3079 220 10V
C3080 0.1
C3081 0.1
C3053 0.1
C3054 0.1
C3051 0.1
C3059 0.1
C3069 0.1
C3074 0.1
C3076 0.1
C3070 0.33
C3071 3.3
C3088 47 10V
C3089 0.1
C3087 0.1
C3086 0.1
C3085 0.1
C3084 0.1
C3091 0.1
C3090 0.1
R3106 100
R3107 100
R3105 100
R3111 0
R3110 0
R3113 10k
R3108 1k
R3109 0
R3145 220
R3122 0
R3123 10k
R3127 100
R3129 100
R3132 100
R3133 100
R3135 100
R3137 100
R3140 47
R3147 0
R3148 100
R3153 100
R3154 100
R3156 100
R3157 100
R3128 0
R3131 0
R3134 47
R3139 0
R3143 39k
R3141 1.1k
FMODE
SELTYP0
SELTYP1
SEL44K
FSSEL0
FSSEL1
RXSTART
SACHSEL
FSTS0
FSTS1
BCLK
SASYNC
DSD0
DSD1
DSD2
DSD3
DSD4
DSD5
DSDA
ICEM958
AUMUTE
VCOCLK
REFSYT
DIVVCO
MBCLK
LRCK
MBLA0
MBLA1
MBLA2
MBLAA
A0
A1
A2
SEL512
CONT48
CLK48K
CLK48KI
CLK48KO
VSSO
VDDO
CONT44
CLK44K
CLK44KI
CLK44KO
SELOSC
XRESET
OUTPUTEN
FMODE
SELDTYPE0
SELDTYPE1
SEL44K
FSSEL0
FSSEL1
VSSO
VDDO
RXSTART
SACHSEL
FMUTE
FSTATE0
FSTATE1
FSTATE2
TDI
TDO
TMS
TCK
TRST
SANKIN
SAFRIN
SADOIN
RJMSBF
REFCYCLE
SAPCMMD
PLLMD
TESTMD1
TESTMD0
SAFRO
SAD5
SAD4
VDDCORE
VSSCORE
SAD3
SAD2
SAD1
SAD0
SADAO
SAMCKO
SAPCMD1
SAPCMD2
SAPCMD3
SAPCMLRCK
SAPCMBCK
SDMUTE
VDDO
VSSO
SDERRO
AMCKEN
BCKO
LRCKO
SDA0
SDA1
SDA2
SDA3
SPDIFO
VDDO
VSSO
SDXWE
SDXCAS
SDARAS
SDDQM
SDCLK
SDCKE
SDD15
SDD14
SDD13
SDD12
SDD11
SDD10
SDD9
SDD8
VDDO
VSSO
SDD7
SDD6
SDD5
SDD4
SDD3
SDD2
SDD1
SDD0
SDA13
SDA12
SDA11
SDA10
SDA9
SDA8
SDA7
SDA6
SDA5
SDA4
SDA3
VSSCO
VDDCO
SAD1IN
SAD2IN
SAD3IN
SAD4IN
SAD5IN
SADAIN
AMCKIN
SPDIFIN
SDMUTEIN
SDERRIN
VCO2O
VCO1O
REFSYT
VCOIN
VCOEN
VSSCORE
VDDCORE
VSSO
VSSPASS
VDDPASS
LPOUT
LPIN
VDDO
BCKIN
LRCKIN
SDA1IN
SDA2IN
SDA3IN
SDAOIN
VSSO
VDDO
SDA0
SDA1
SDA2
WE
CAS
RAS
DQM
CLK
CKE
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
DQ7
DQ6
DQ5
DQ4
DQ3
DQ2
DQ1
DQ0
A13
A12
A11
A10
A9
A8
A7
A6
A5
A4
A3
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
VDDQ
DQ5
DQ6
VSSQ
DQ7
VDD
LDQM
WE
CAS
RAS
CS
BA0
BA1
A10
A0
A1
A2
A3
VDD
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS

6-36. SCHEMATIC DIAGRAM – ILINK SECTION (5/10) –

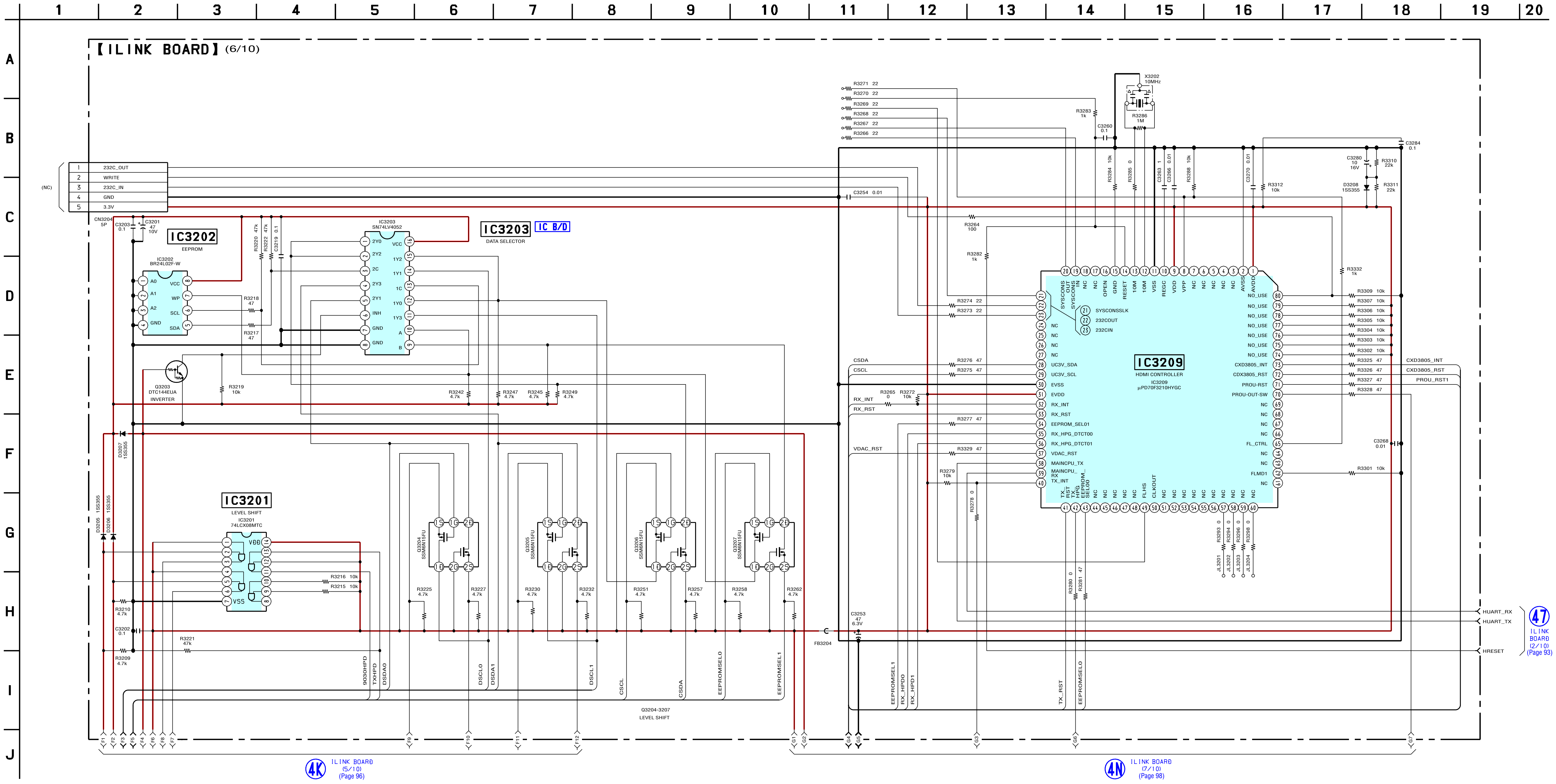
• See page 50 for IC Pin Function Description.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L
【ILINK BOARD】
(5/10)
4K ILINK BOARD (6/10) (Page 97)
4F ILINK BOARD (8/10) (Page 99)
4G ILINK BOARD (9/10) (Page 100)
4H ILINK BOARD (10/10) (Page 101)
4J ILINK BOARD (7/10) (Page 98)
4L ILINK BOARD (7/10) (Page 98)
4M ILINK BOARD (10/10) (Page 101)
49 ILINK BOARD (2/10) (Page 93)
PROU_RST
VDAC_RST
CXD3805_INT
CXD3805_RST
CN3202 19P HDMI ASSIGNABLE IN 2
CN3201 19P HDMI ASSIGNABLE IN 1
DATA2+
DATA2 SHIELD
DATA2-
DATA1+
DATA1 SHIELD
DATA1-
DATA0+
DATA0 SHIELD
DATA0-
CLOCK+
CLOCK SHIELD
CLOCK-
CEC
RESERVE(N.C.)
SCL(5V)
SDA(5V)
DCC/CEC GND
+5V POWER
HOT PLUG DET
Q3202,3209 HOT PLUG DETECT
Q3201,3210 HOT PLUG DETECT
Q3209 2SA1162
Q3210 2SA1162
Q3202 DTC144EUA-
Q3201 DTC144EUA-
RX_HPD0
RX_HPD1
DSCL0
DSDA0
DSCL1
DSDA1
IC3205
HDMI PANELLINK CINEMA RECEIVER
IC3205 SII9031
VSYNC
HSYNC
DE
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23
DCK
L3201 10µH
L3202 10µH
L3205 10µH
X3201 28.322MHz
FB3201 0
FB3202
FB3203
RX_RST
RX_INT
SPDIF
SD3 SD2 SD1 SD0 WS SCK MCK
ADGND
MUTEOUT
H1 H2 H3 H4 H5 H6 H7

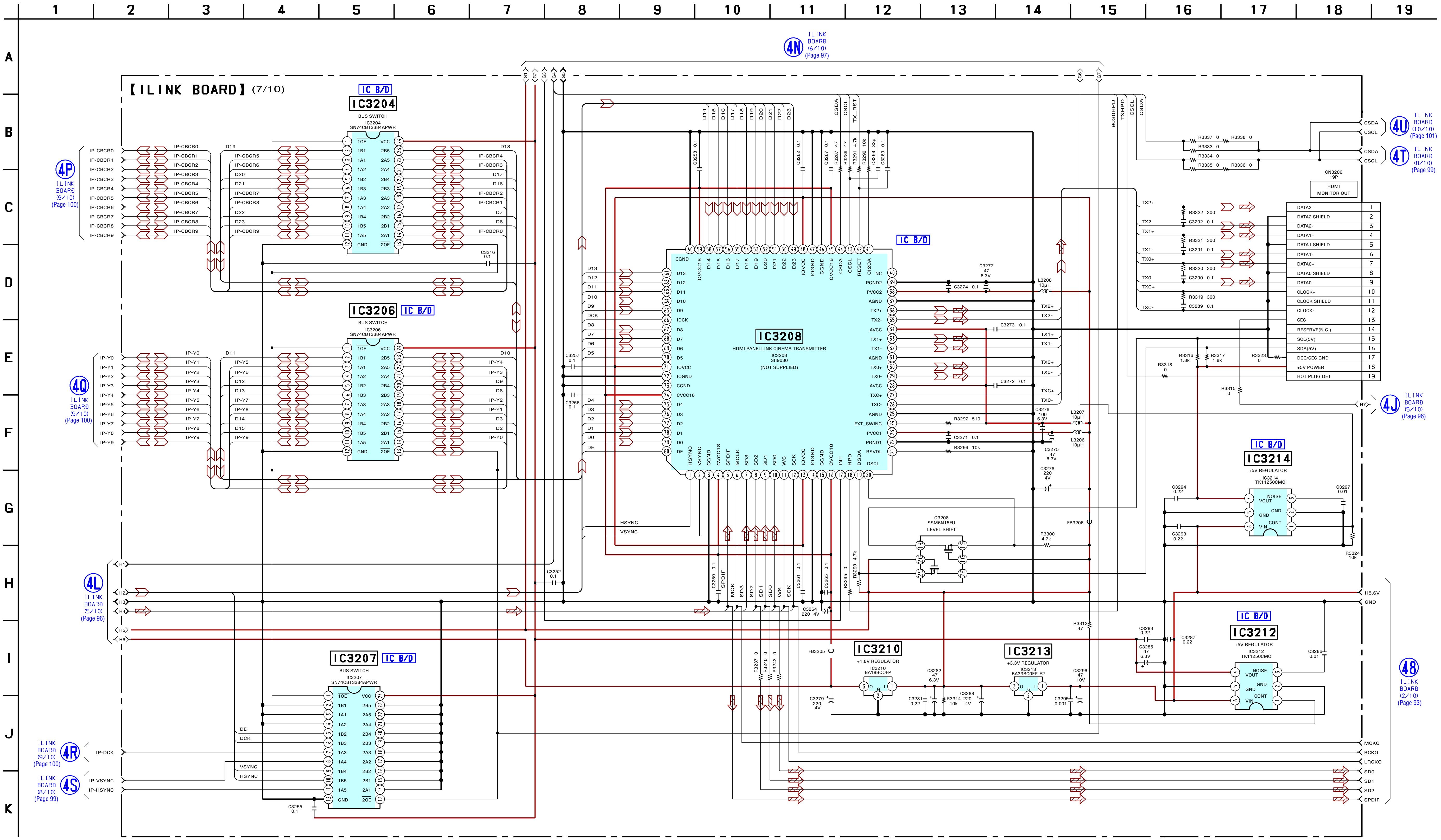
6-37. SCHEMATIC DIAGRAM – ILINK SECTION (6/10) –

- See page 149 for IC Block Diagrams.
- See page 50 for IC Pin Function Description.


【ILINK BOARD】(6/10)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
A B C D E F G H I J
CN3204 5P
232C_OUT
WRITE
232C_IN
GND
3.3V
(NC)
IC3202
EEPROM
IC3202 BR24L02F-W
A0 A1 A2 GND VCC WP SCL SDA
IC3203
DATA SELECTOR
IC B/D
IC3203 SN74LV4052
2Y0 2Y2 2C 2Y3 2Y1 INH GND GND VCC 1Y2 1Y1 1C 1Y0 1Y3 A B
Q3203 DTC144EUA INVERTER
D3207 1SS355
D3205 1SS355
D3206 1SS355
IC3201
LEVEL SHIFT
IC3201 74LCX08MTC
VDD VSS
Q3204 SSM6N15FU
Q3205 SSM6N15FU
Q3206 SSM6N15FU
Q3207 SSM6N15FU
Q3204-3207 LEVEL SHIFT
9030HPD TXHPD DSDA0 DSCL0 DSDA1 DSCL1 CSCL CSDA EEPROMSEL0 EEPROMSEL1
FB3204
C3253 47 6.3V
X3202 10MHz
R3286 1M
IC3209
HDMI CONTROLLER
IC3209 µPD70F3210HYGC
SYSCONSSLK
232COUT
232CIN
NC NC NC NC
UC3V_SDA
UC3V_SCL
EVSS
EVDD
RX_INT
RX_RST
EEPROM_SEL01
RX_HPG_DTCT00
RX_HPG_DTCT01
VDAC_RST
MAINCPU_TX
MAINCPU_RX
TX_INT
NO_USE
CXD3805_INT
CDX3805_RST
PROU-RST
PROU-OUT-SW
FL_CTRL
FLMD1
OPEN GND RESET 10M 10M VSS REGC VDD VPP AVSS AVDD
CLKOUT FLHS
CSDA
CSCL
RX_INT
RX_RST
VDAC_RST
CXD3805_INT
CXD3805_RST
PROU_RST1
HUART_RX
HUART_TX
HRESET
EEPROMSEL1 RX_HPD0 RX_HPD1 TX_RST EEPROMSEL0
JL3201 JL3202 JL3203 JL3204
D3208 1SS355
F1 F2 F3 F5 F4 F6 F8 F7 F9 F10 F11 F12 G1 G2 G4 G5 G3 G6 G7
4K ILINK BOARD (5/10) (Page 96)
4N ILINK BOARD (7/10) (Page 98)
47 ILINK BOARD (2/10) (Page 93)

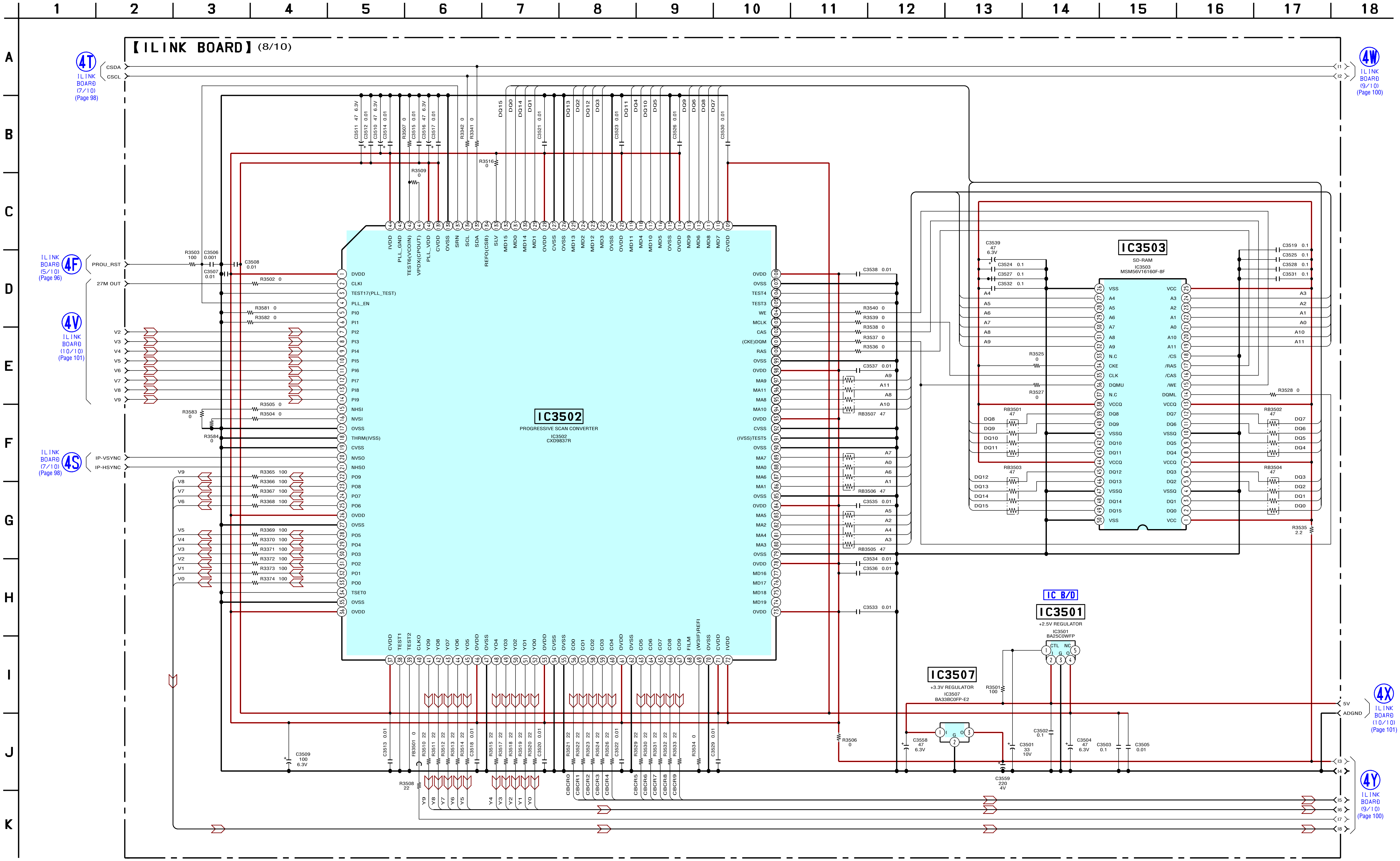
6-38. SCHEMATIC DIAGRAM – ILINK SECTION (7/10) –

• See page 147, 149 for IC Block Diagrams.


【ILINK BOARD】(7/10)
IC3204
BUS SWITCH
IC3204 SN74CBT3384APWR
IC3206
BUS SWITCH
IC3206 SN74CBT3384APWR
IC3207
BUS SWITCH
IC3207 SN74CBT3384APWR
IC3208
HDMI PANELLINK CINEMA TRANSMITTER
IC3208 SII9030
(NOT SUPPLIED)
IC3214
+5V REGULATOR
IC3214 TK11250CMC
IC3212
+5V REGULATOR
IC3212 TK11250CMC
IC3210
+1.8V REGULATOR
IC3210 BA18BC0FP
IC3213
+3.3V REGULATOR
IC3213 BA33BC0FP-E2
Q3208
SSM6N15FU
LEVEL SHIFT
CN3206
19P
HDMI MONITOR OUT
IC B/D
4N ILINK BOARD (6/10) (Page 97)
4P ILINK BOARD (9/10) (Page 100)
4Q ILINK BOARD (9/10) (Page 100)
4L ILINK BOARD (5/10) (Page 96)
4R ILINK BOARD (9/10) (Page 100)
4S ILINK BOARD (8/10) (Page 99)
4U ILINK BOARD (10/10) (Page 101)
4T ILINK BOARD (8/10) (Page 99)
4J ILINK BOARD (5/10) (Page 96)
4B ILINK BOARD (2/10) (Page 93)
DATA2+
DATA2 SHIELD
DATA2-
DATA1+
DATA1 SHIELD
DATA1-
DATA0+
DATA0 SHIELD
DATA0-
CLOCK+
CLOCK SHIELD
CLOCK-
CEC
RESERVE(N.C.)
SCL(5V)
SDA(5V)
DCC/CEC GND
+5V POWER
HOT PLUG DET
H5.6V
GND
MCKO
BCKO
LRCKO
SDO
SD1
SD2
SPDIF
CSDA
CSCL
IP-DCK
IP-VSYNC
IP-HSYNC
HSYNC
VSYNC

6-39. SCHEMATIC DIAGRAM – ILINK SECTION (8/10) –

- See page 148 for IC Block Diagrams.
- See page 58 for IC Pin Function Description.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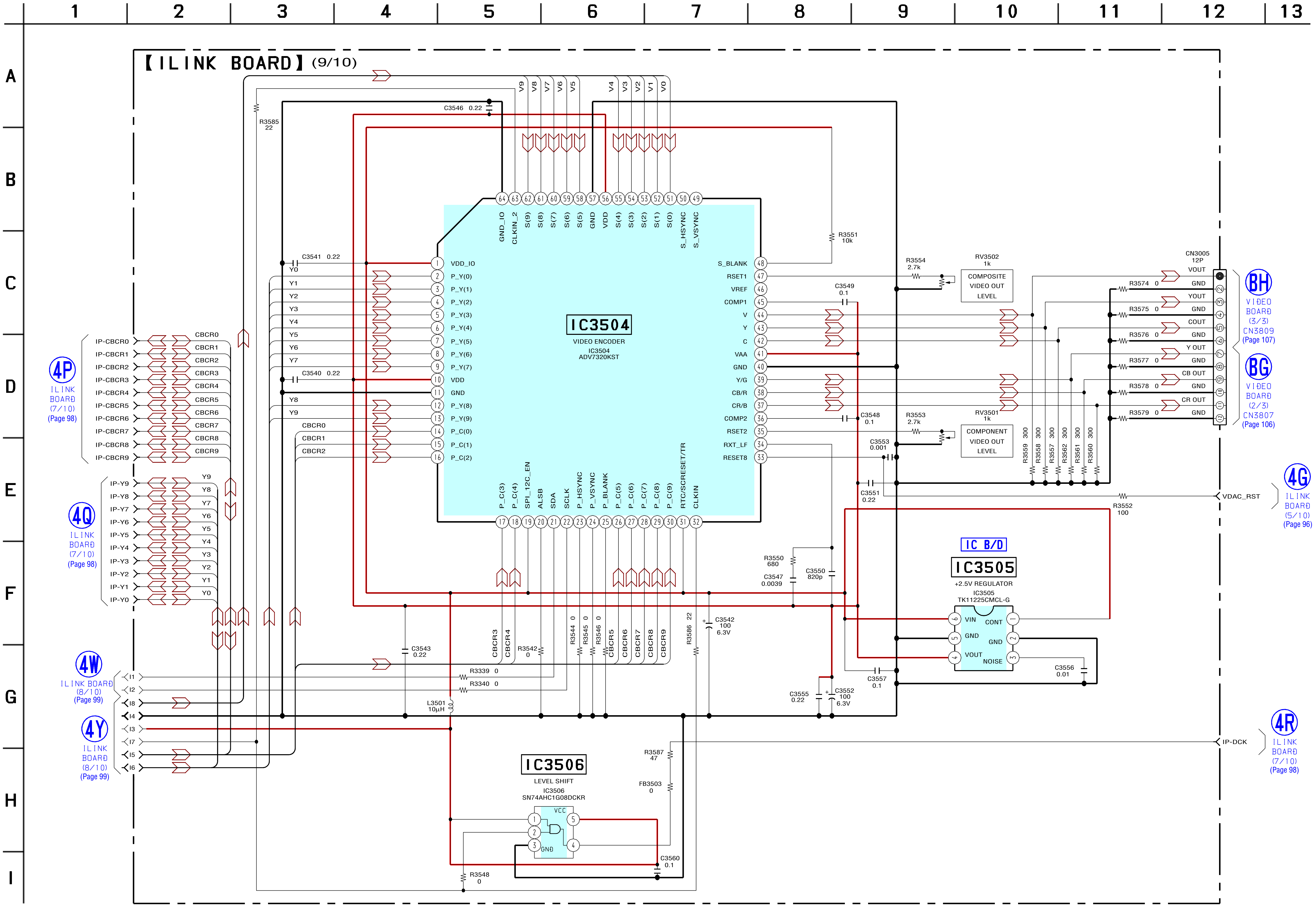
16
17
18
A
B
C
D
E
F
G
H
I
J
K
【ILINK BOARD】(8/10)
4T ILINK BOARD (7/10) (Page 98)
CSDA
CSCL
4F ILINK BOARD (5/10) (Page 96)
PROU_RST
27M OUT
4V ILINK BOARD (10/10) (Page 101)
V2
V3
V4
V5
V6
V7
V8
V9
4S ILINK BOARD (7/10) (Page 98)
IP-VSYNC
IP-HSYNC
4W ILINK BOARD (9/10) (Page 100)
4X ILINK BOARD (10/10) (Page 101)
5V
ADGND
4Y ILINK BOARD (9/10) (Page 100)
IC3502
PROGRESSIVE SCAN CONVERTER
IC3502
CXD9837R
IC3503
SD-RAM
IC3503
MSM56V16160F-8F
IC B/D
IC3501
+2.5V REGULATOR
IC3501
BA25C0WFP
IC3507
+3.3V REGULATOR
IC3507
BA33BC0FP-E2

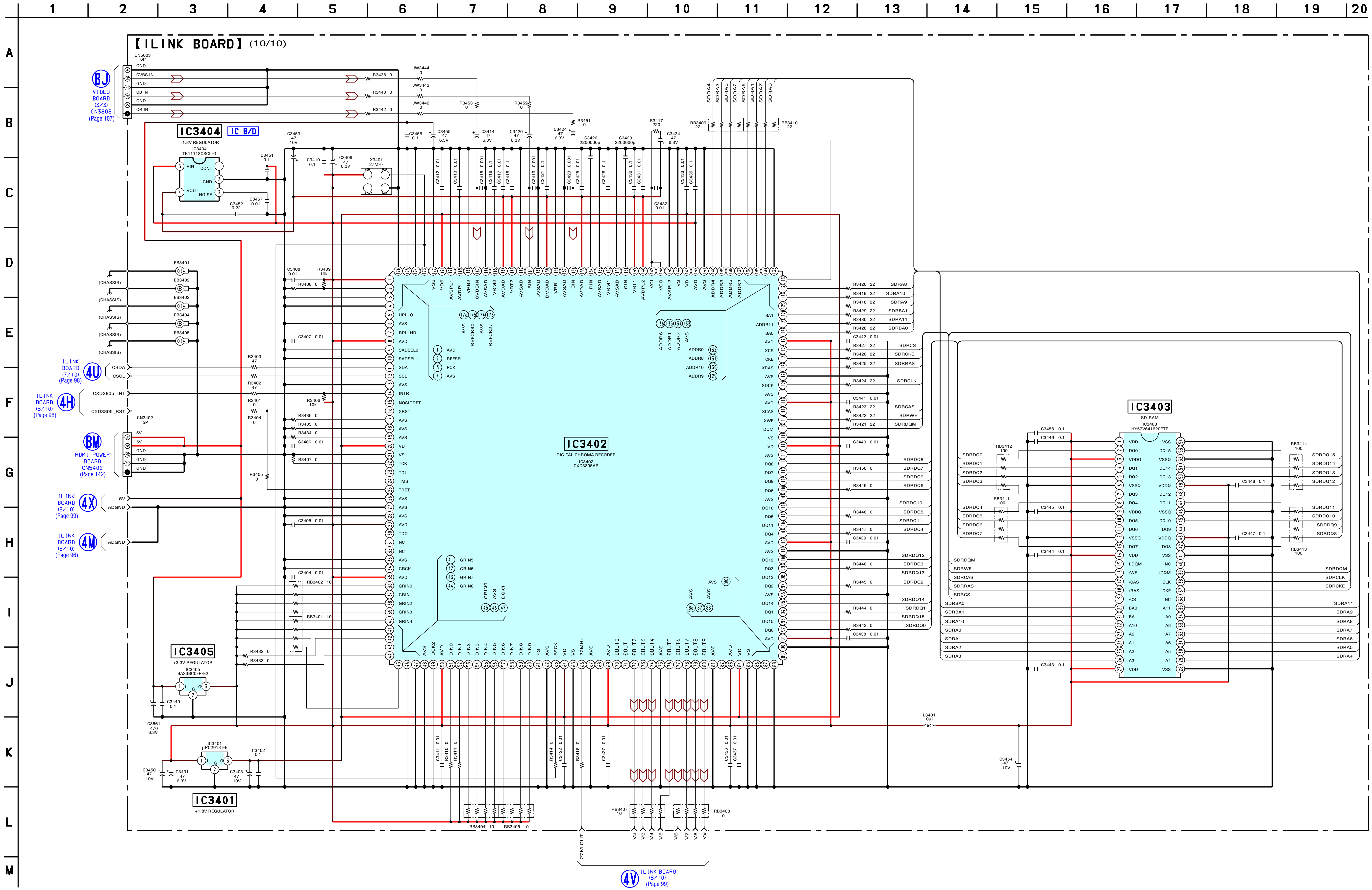
6-40. SCHEMATIC DIAGRAM – ILINK SECTION (9/10) –

- See page 149 for IC Block Diagrams.
- See page 60 for IC Pin Function Description.


1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I
【ILINK BOARD】(9/10)
IC3504
VIDEO ENCODER
IC3504
ADV7320KST
VDD_IO
P_Y(0)
P_Y(1)
P_Y(2)
P_Y(3)
P_Y(4)
P_Y(5)
P_Y(6)
P_Y(7)
VDD
GND
P_Y(8)
P_Y(9)
P_C(0)
P_C(1)
P_C(2)
GND_IO
CLKIN_2
S(9) S(8) S(7) S(6) S(5) GND VDD S(4) S(3) S(2) S(1) S(0)
S_HSYNC
S_VSYNC
S_BLANK
RSET1
VREF
COMP1
V
Y
C
VAA
GND
Y/G
CR/B
CB/R
COMP2
RSET2
RXT_LF
RESET8
P_C(3) P_C(4) SPI_12C_EN ALSB SDA SCLK P_HSYNC P_VSYNC P_BLANK P_C(5) P_C(6) P_C(7) P_C(8) P_C(9) RTC/SCRESET/TR CLKIN
C3546 0.22
R3585 22
C3541 0.22
C3540 0.22
R3551 10k
R3554 2.7k
RV3502 1k
COMPOSITE VIDEO OUT LEVEL
C3549 0.1
C3548 0.1
R3553 2.7k
RV3501 1k
COMPONENT VIDEO OUT LEVEL
C3553 0.001
C3551 0.22
R3552 100
CN3005 12P
VOUT GND YOUT GND COUT GND Y OUT GND CB OUT GND CR OUT GND
R3574 0 R3575 0 R3576 0 R3577 0 R3578 0 R3579 0
R3559 300 R3558 300 R3557 300 R3562 300 R3561 300 R3560 300
BH VIDEO BOARD (3/3) CN3809 (Page 107)
BG VIDEO BOARD (2/3) CN3807 (Page 106)
4G ILINK BOARD (5/10) (Page 96)
VDAC_RST
4P ILINK BOARD (7/10) (Page 98)
IP-CBCR0 IP-CBCR1 IP-CBCR2 IP-CBCR3 IP-CBCR4 IP-CBCR5 IP-CBCR6 IP-CBCR7 IP-CBCR8 IP-CBCR9
CBCR0 CBCR1 CBCR2 CBCR3 CBCR4 CBCR5 CBCR6 CBCR7 CBCR8 CBCR9
4Q ILINK BOARD (7/10) (Page 98)
IP-Y9 IP-Y8 IP-Y7 IP-Y6 IP-Y5 IP-Y4 IP-Y3 IP-Y2 IP-Y1 IP-Y0
Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y8 Y9
V0 V1 V2 V3 V4 V5 V6 V7 V8 V9
4W ILINK BOARD (8/10) (Page 99)
4Y ILINK BOARD (8/10) (Page 99)
I1 I2 I8 I4 I3 I7 I5 I6
R3550 680
C3547 0.0039
C3550 820p
C3543 0.22
R3339 0
R3340 0
L3501 10μH
R3542 0
R3544 0 R3545 0 R3546 0
R3586 22
C3542 100 6.3V
IC B/D
IC3505
+2.5V REGULATOR
IC3505
TK11225CMCL-G
VIN CONT GND GND VOUT NOISE
C3557 0.1
C3556 0.01
C3555 0.22
C3552 100 6.3V
4R ILINK BOARD (7/10) (Page 98)
IP-DCK
R3587 47
FB3503 0
IC3506
LEVEL SHIFT
IC3506
SN74AHC1G08DCKR
VCC GND
C3560 0.1
R3548 0

6-41. SCHEMATIC DIAGRAM – ILINK SECTION (10/10) –

- See page 149 for IC Block Diagrams.
- See page 54 for IC Pin Function Description.

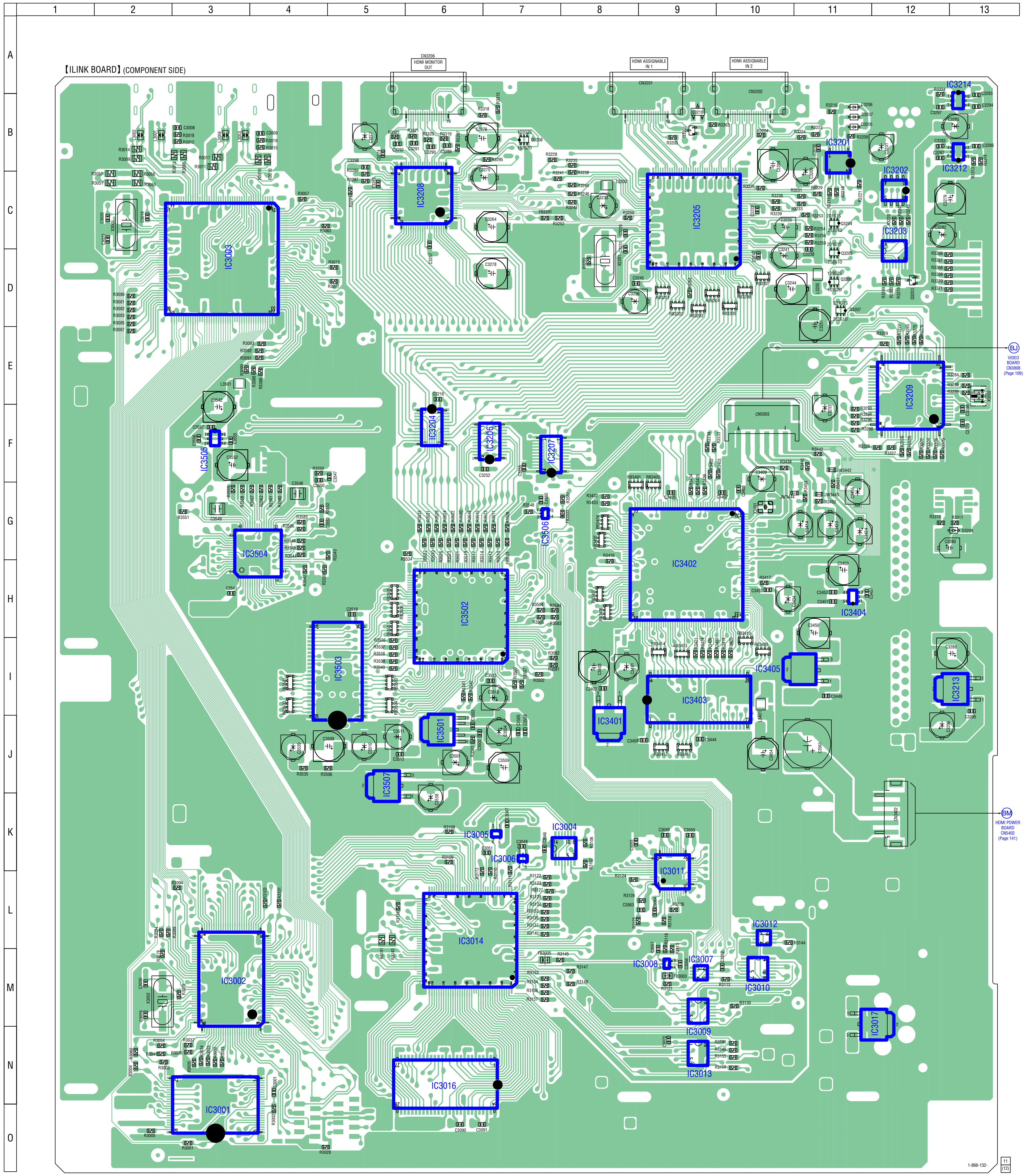


【ILINK BOARD】(10/10)
CN5003 6P
GND
CVBS IN
GND
CB IN
GND
CR IN
BJ VIDEO BOARD (3/3) CN3808 (Page 107)
IC3404 IC B/D
+1.8V REGULATOR
IC3404 TK11118CSCL-G
VIN CONT GND VOUT NOISE
X3401 27MHz
JW3444 0
JW3443 0
JW3442 0
R3438 0
R3440 0
R3442 0
EB3401
EB3402
EB3403
EB3404
EB3405
(CHASSIS)
4U ILINK BOARD (7/10) (Page 98)
CSDA
CSCL
4H ILINK BOARD (5/10) (Page 96)
CXD3805_INT
CXD3805_RST
CN3402 5P
BM HDMI POWER BOARD CN5402 (Page 142)
5V
5V
GND
GND
GND
4X ILINK BOARD (8/10) (Page 99)
5V
ADGND
4M ILINK BOARD (5/10) (Page 96)
ADGND
IC3402
DIGITAL CHROMA DECODER
IC3402 CXD3805AR
IC3403
SD-RAM
IC3403 HY57V641620ETP
IC3405
+3.3V REGULATOR
IC3405 BA33BC0FP-E2
IC3401
+1.8V REGULATOR
IC3401 µPC2918T-E
L3401 10µH
RB3404 10
RB3405 10
RB3407 10
RB3408 10
27M OUT
V2 V3 V4 V5 V6 V7 V8 V9
4V ILINK BOARD (8/10) (Page 99)
SDRA4 SDRA3 SDRA5 SDRA2 SDRA6 SDRA1 SDRA7 SDRA0
SDRA8 SDRA10 SDRA9 SDRBA1 SDRA11 SDRBA0
SDRCS SDRCKE SDRRAS SDRCLK SDRCAS SDRWE SDRDQM
SDRDQ0 SDRDQ1 SDRDQ2 SDRDQ3 SDRDQ4 SDRDQ5 SDRDQ6 SDRDQ7
SDRDQ8 SDRDQ9 SDRDQ10 SDRDQ11 SDRDQ12 SDRDQ13 SDRDQ14 SDRDQ15
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
A B C D E F G H I J K L M

6-42. PRINTED WIRING BOARD – ILINK BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

: Uses unleaded solder.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J
K
L
M
N
O
【ILINK BOARD】(COMPONENT SIDE)
CN3206
HDMI MONITOR OUT
HDMI ASSIGNABLE IN 1
CN3201
HDMI ASSIGNABLE IN 2
CN3202
IC3214
IC3201
IC3202
IC3212
IC3208
IC3205
IC3203
IC3003
BJ
VIDEO BOARD
CN3808
(Page 109)
IC3209
CN5003
IC3204
IC3206
IC3207
IC3505
IC3506
IC3402
IC3504
IC3404
IC3502
IC3503
IC3405
IC3213
IC3403
IC3401
IC3501
IC3507
BM
HDMI POWER BOARD
CN5402
(Page 141)
IC3004
IC3005
IC3006
IC3011
IC3014
IC3012
IC3008
IC3007
IC3010
IC3002
IC3017
IC3009
IC3013
IC3016
IC3001
1-866-132-
11
(12)

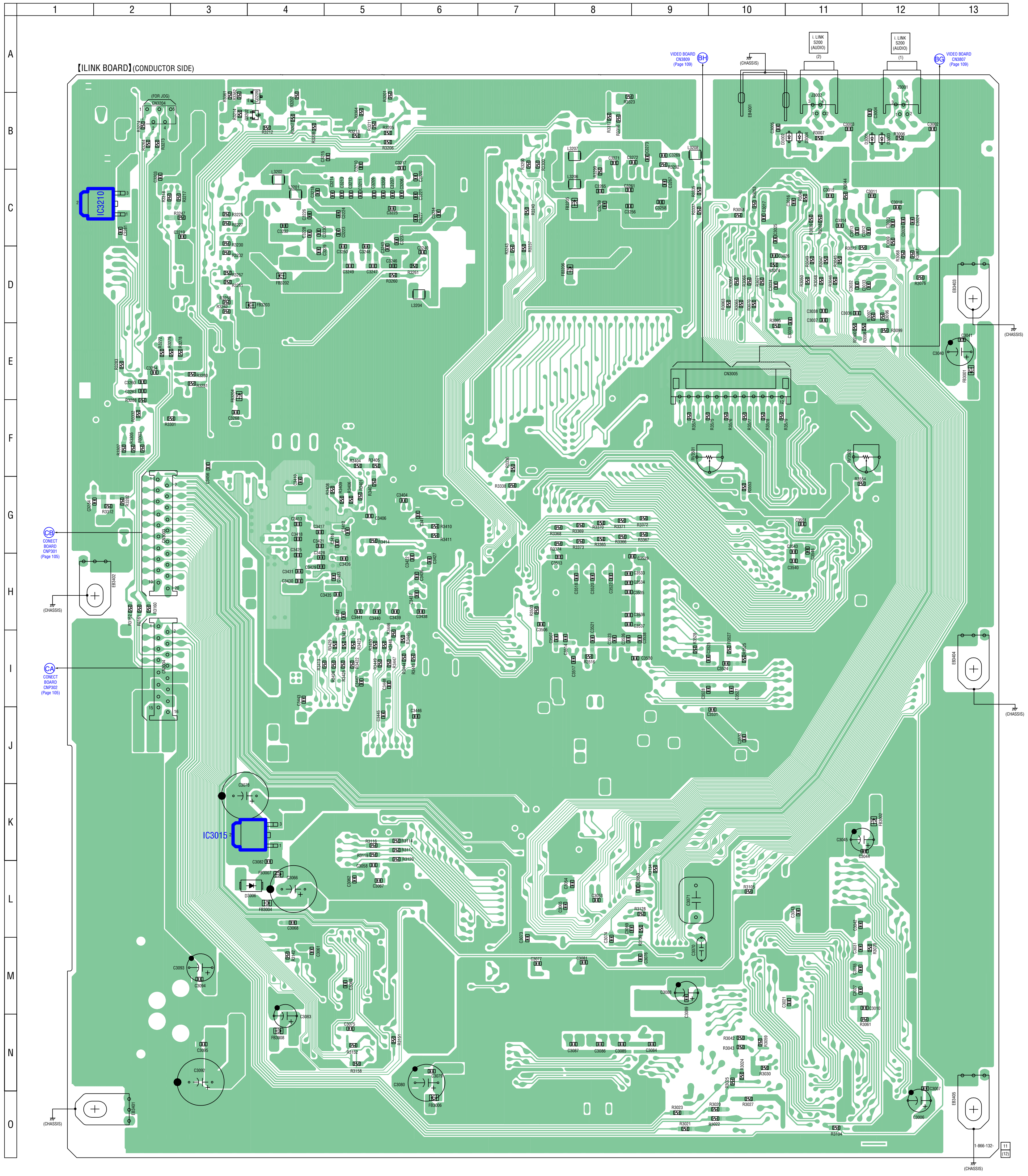
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D3205	B-11	IC3014	L-6	IC3404	H-11
D3206	B-11	IC3016	N-6	IC3405	I-11
D3207	B-11	IC3017	M-11	IC3501	J-6
D3208	G-13	IC3201	B-11	IC3502	H-6
		IC3202	C-12	IC3503	I-5
IC3001	O-3	IC3203	D-12	IC3504	G-4
IC3002	M-3	IC3204	F-6	IC3505	F-3
IC3003	D-3	IC3205	C-9	IC3506	G-7
IC3004	K-8	IC3206	F-7	IC3507	J-5
IC3005	K-7	IC3207	F-7		
IC3006	K-7	IC3208	C-6	Q3201	B-9
IC3007	M-9	IC3209	E-12	Q3203	D-12
IC3008	M-9	IC3212	B-13	Q3204	C-11
IC3009	M-9	IC3213	I-13	Q3205	D-11
IC3010	M-10	IC3214	B-13	Q3206	D-11
IC3011	L-9	IC3401	I-8	Q3207	D-11
IC3012	L-10	IC3402	H-9	Q3208	B-7
IC3013	N-9	IC3403	I-9	Q3210	B-9

6-43. PRINTED WIRING BOARD – ILINK BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.


【ILINK BOARD】(CONDUCTOR SIDE)
1
2
3
4
5
6
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10
11
12
13
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
IC3210
IC3015
VIDEO BOARD CN3809 (Page 109)
VIDEO BOARD CN3807 (Page 109)
BH
BG
i. LINK S200 (AUDIO) (2)
i. LINK S200 (AUDIO) (1)
(CHASSIS)
CB
CONECT BOARD CNP301 (Page 105)
CA
CONECT BOARD CNP302 (Page 105)
CN3005
1-866-132-
11 (12)

• **Semiconductor Location**

Ref. No.	Location
D3001	B-12
D3002	B-11
D3003	B-12
D3004	B-11
D3006	L-4
IC3015	K-4
IC3210	C-2
Q3202	B-4
Q3209	B-4

6-44. PRINTED WIRING BOARD – CONECT BOARDS –

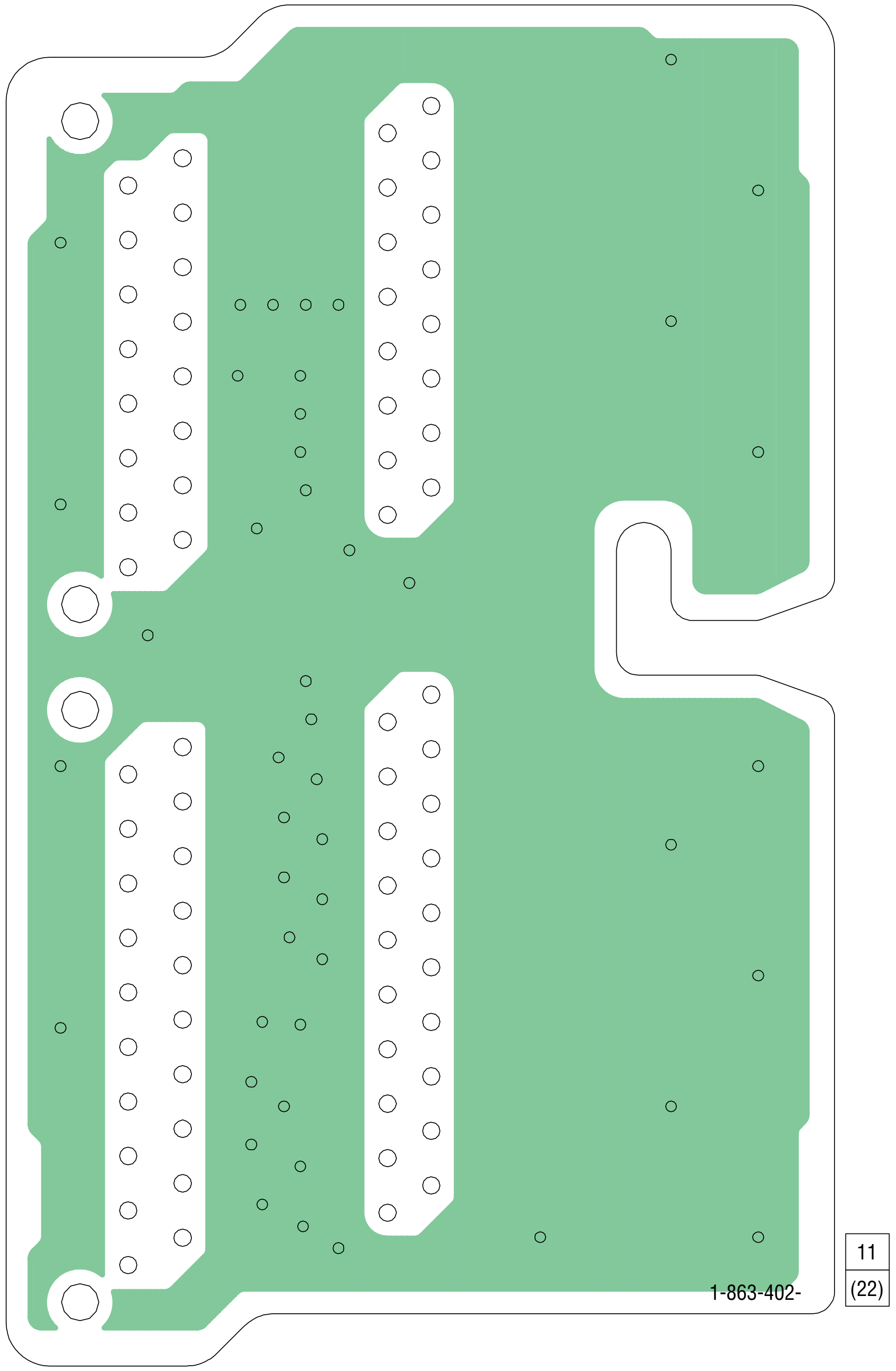
• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

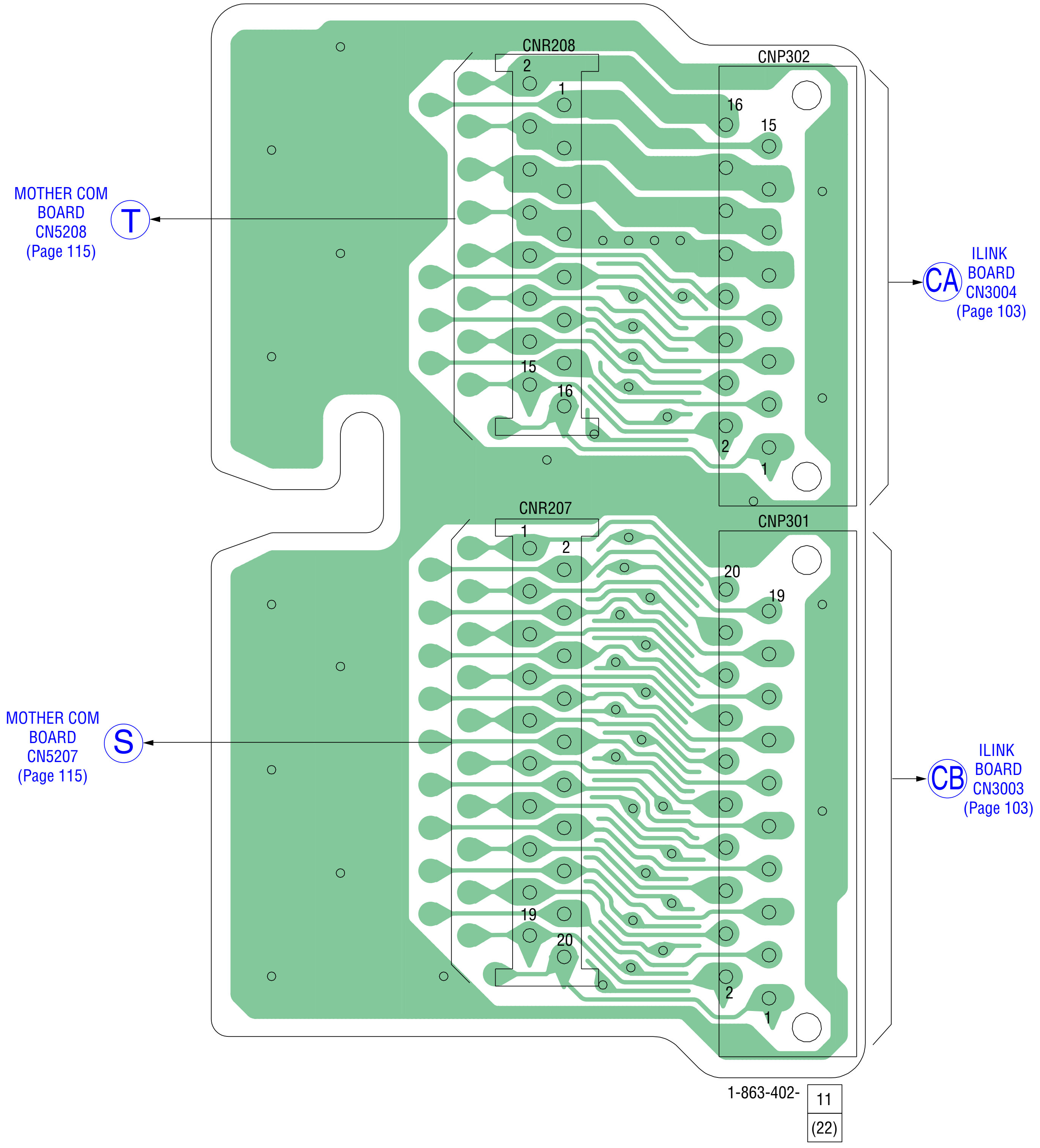
1 2 3 4 5 6 7

A B C D

【CONECT BOARD】(COMPONENT SIDE)

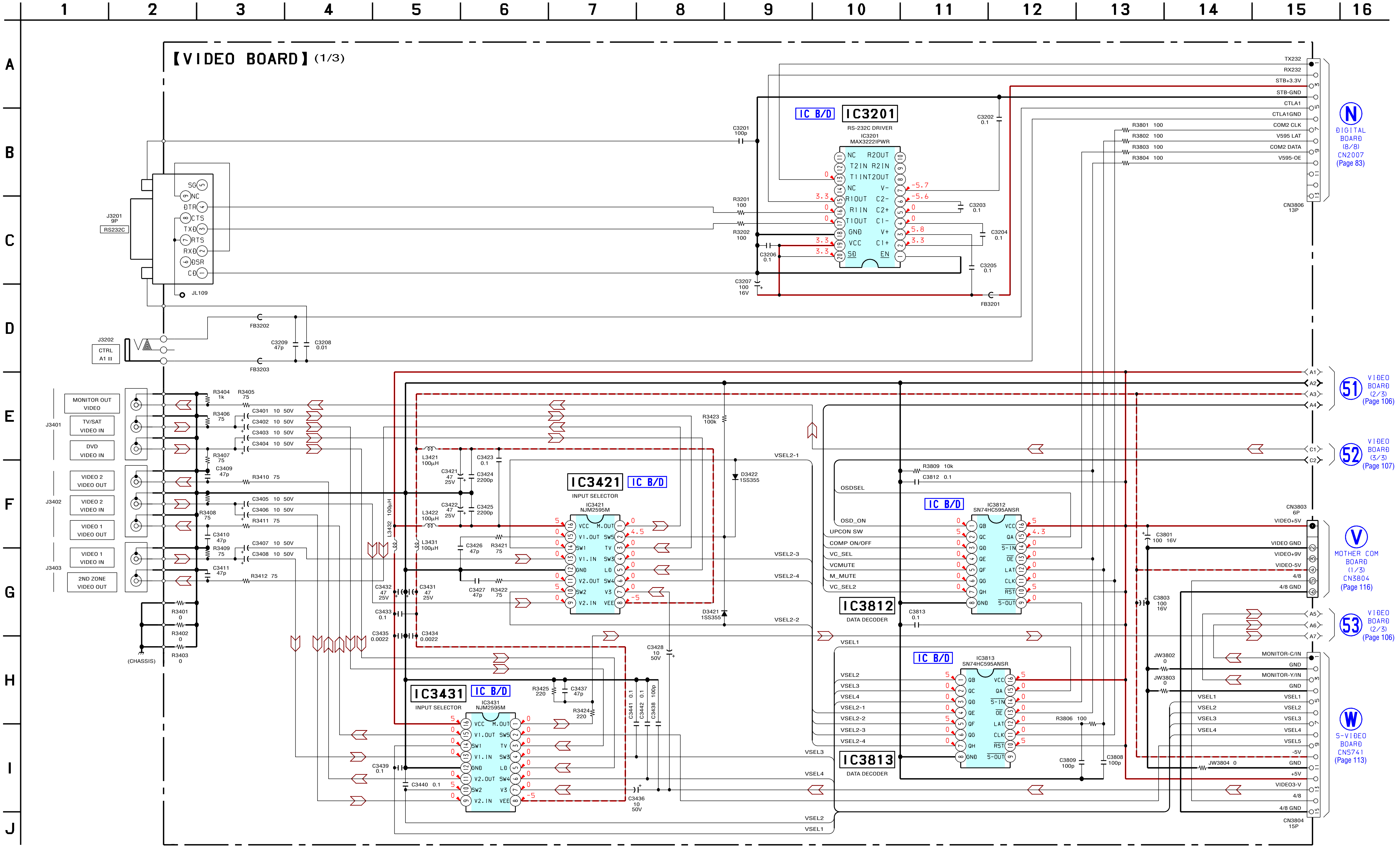

1-863-402-
11
(22)

【CONECT BOARD】(CONDUCTOR SIDE)


CNR208
2
1
CNP302
16
15
15
16
2
1
CNR207
1
2
CNP301
20
19
19
20
2
1
MOTHER COM
BOARD
CN5208
(Page 115)
T
MOTHER COM
BOARD
CN5207
(Page 115)
S
ILINK
BOARD
CN3004
(Page 103)
CA
ILINK
BOARD
CN3003
(Page 103)
CB
1-863-402-
11
(22)

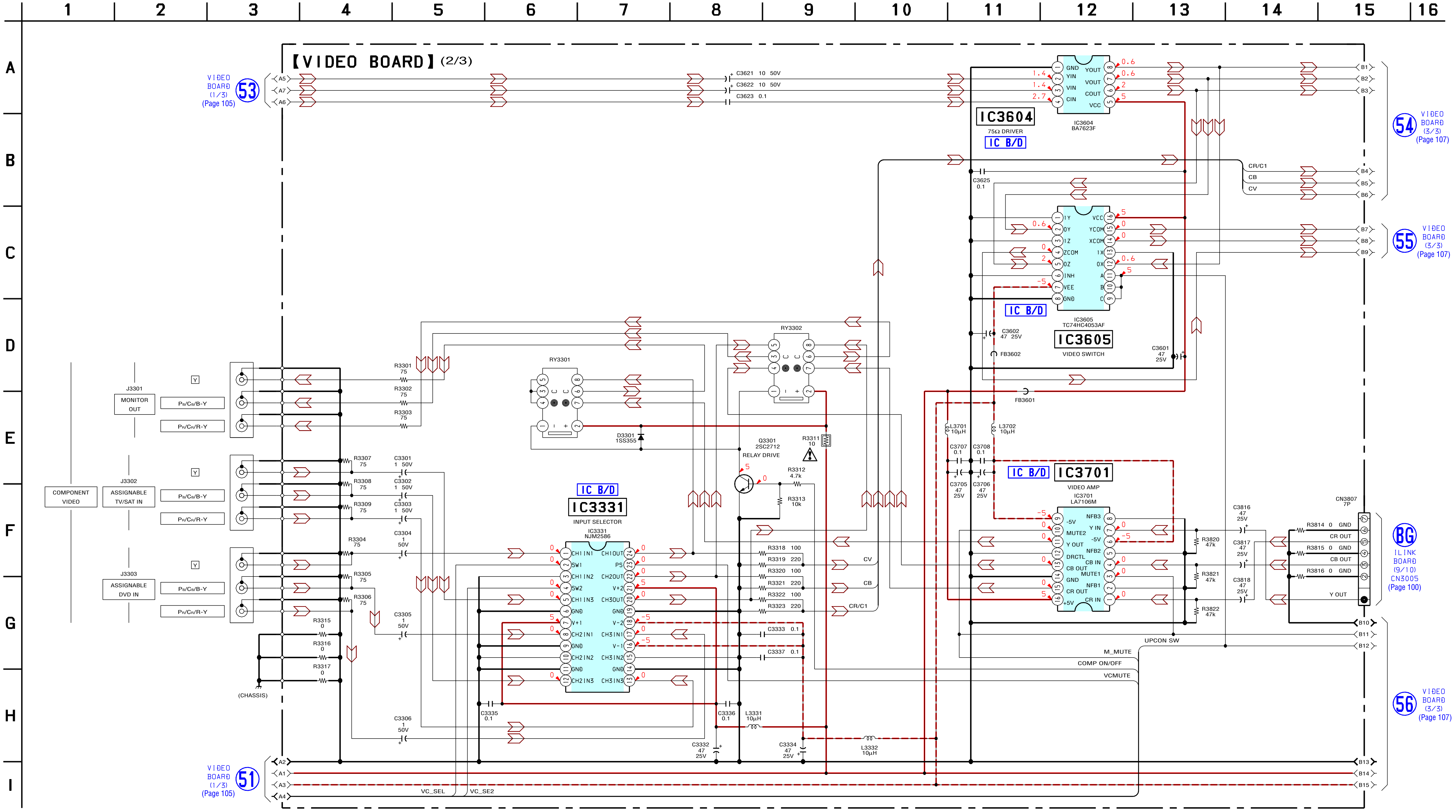
6-45. SCHEMATIC DIAGRAM – VIDEO BOARD (1/3) –

• See page 151, 152 for IC Block Diagrams.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J
【VIDEO BOARD】(1/3)
IC B/D
IC3201
RS-232C DRIVER
IC3201
MAX3222IPWR
NC R2OUT
T2IN R2IN
T1IN T2OUT
NC V-
R1OUT C2-
R1IN C2+
T1OUT C1-
GND V+
VCC C1+
SD EN
C3201 100p
R3201 100
R3202 100
C3202 0.1
C3203 0.1
C3204 0.1
C3205 0.1
C3206 0.1
C3207 100 16V
FB3201
FB3202
FB3203
C3209 47p
C3208 0.01
J3201 9P
RS232C
SG
NC
DTR
CTS
TXD
RTS
RXD
DSR
CD
JL109
J3202
CTRL
A1 II
TX232
RX232
STB+3.3V
STB-GND
CTLA1
CTLA1GND
COM2 CLK
V595 LAT
COM2 DATA
V595-OE
R3801 100
R3802 100
R3803 100
R3804 100
CN3806 13P
N
DIGITAL BOARD (8/8) CN2007 (Page 83)
J3401
J3402
J3403
MONITOR OUT VIDEO
TV/SAT VIDEO IN
DVD VIDEO IN
VIDEO 2 VIDEO OUT
VIDEO 2 VIDEO IN
VIDEO 1 VIDEO OUT
VIDEO 1 VIDEO IN
2ND ZONE VIDEO OUT
(CHASSIS)
R3401 0
R3402 0
R3403 0
R3404 1k
R3405 75
R3406 75
R3407 75
R3408 75
R3409 75
R3410 75
R3411 75
R3412 75
C3401 10 50V
C3402 10 50V
C3403 10 50V
C3404 10 50V
C3405 10 50V
C3406 10 50V
C3407 10 50V
C3408 10 50V
C3409 47p
C3410 47p
C3411 47p
IC3421
INPUT SELECTOR
IC3421
NJM2595M
VCC M.OUT
V1.OUT SW5
SW1 TV
V1.IN SW3
GND LD
V2.OUT SW4
SW2 V3
V2.IN VEE
L3421 100µH
L3422 100µH
L3431 100µH
L3432 100µH
C3421 47 25V
C3422 47 25V
C3423 0.1
C3424 2200p
C3425 2200p
C3426 47p
C3427 47p
R3421 75
R3422 75
R3423 100k
D3421 1SS355
D3422 1SS355
C3428 10 50V
C3431 47 25V
C3432 47 25V
C3433 0.1
C3434 0.0022
C3435 0.0022
IC3431
INPUT SELECTOR
IC3431
NJM2595M
R3424 220
R3425 220
C3437 47p
C3436 10 50V
C3439 0.1
C3440 0.1
C3441 0.1
C3442 0.1
C3438 100p
VSEL2-1
VSEL2-2
VSEL2-3
VSEL2-4
VSEL1
VSEL2
VSEL3
VSEL4
OSDSEL
OSD_ON
UPCON SW
COMP ON/OFF
VC_SEL
VCMUTE
M_MUTE
VC_SEL2
R3809 10k
C3812 0.1
C3813 0.1
IC3812
SN74HC595ANSR
IC3812
DATA DECODER
QB VCC
QC QA
QD S-IN
QE OE
QF LAT
QG CLK
QH RST
GND S-OUT
IC3813
SN74HC595ANSR
IC3813
DATA DECODER
R3806 100
C3809 100p
C3808 100p
C3801 100 16V
C3803 100 16V
JW3802 0
JW3803 0
JW3804 0
A1 A2 A3 A4
51
VIDEO BOARD (2/3) (Page 106)
C1 C2
52
VIDEO BOARD (3/3) (Page 107)
CN3803 6P
VIDEO+5V
VIDEO GND
VIDEO+9V
VIDEO-5V
4/8
4/8 GND
V
MOTHER COM BOARD (1/3) CN3804 (Page 116)
A5 A6 A7
53
VIDEO BOARD (2/3) (Page 106)
MONITOR-C/IN
GND
MONITOR-Y/IN
GND
VSEL1
VSEL2
VSEL3
VSEL4
VSEL5
-5V
GND
+5V
VIDEO3-V
4/8
4/8 GND
CN3804 15P
W
S-VIDEO BOARD CN5741 (Page 113)
-5.7
-5.6
5.8
3.3
4.5
4.3
-5

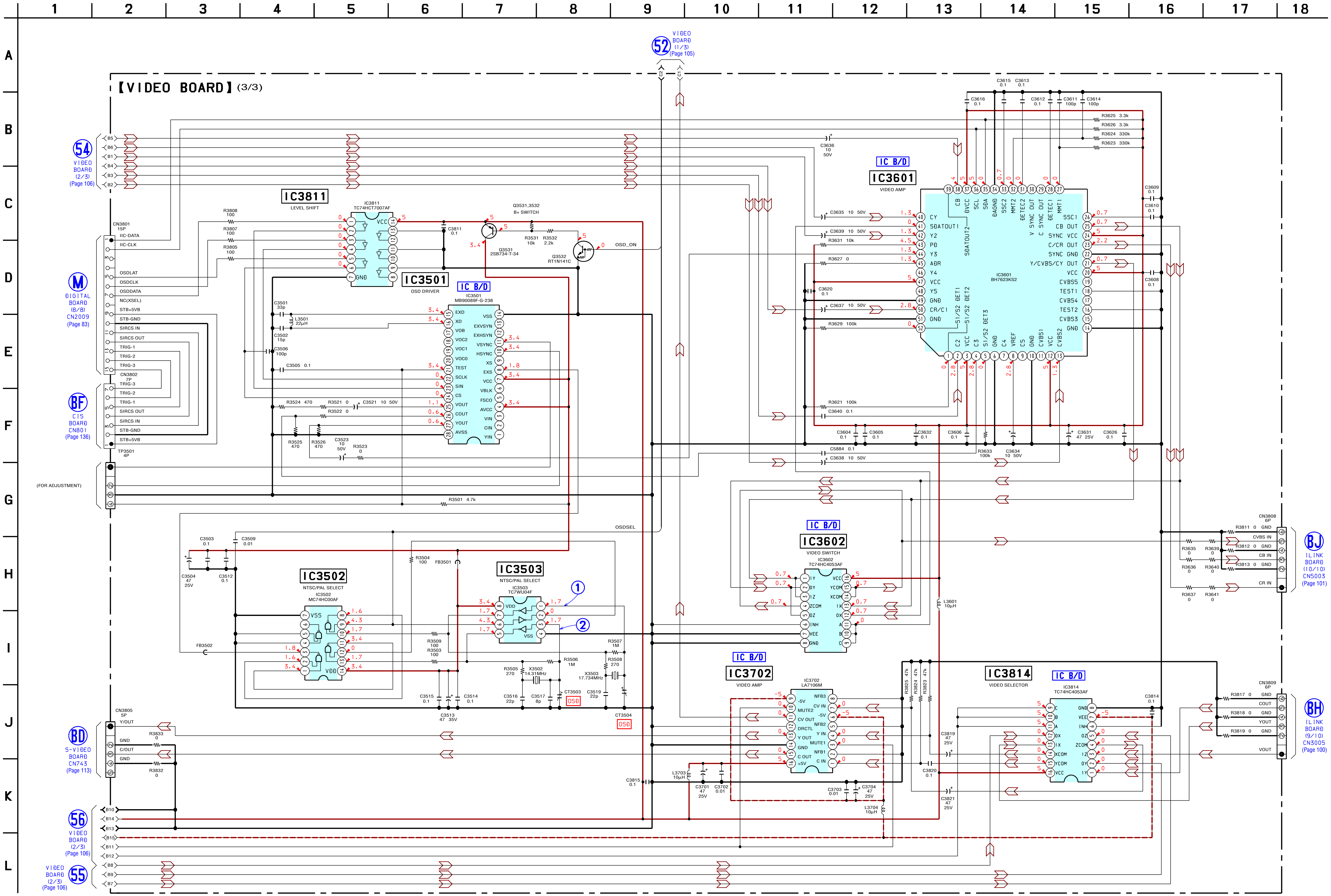
6-46. SCHEMATIC DIAGRAM – VIDEO BOARD (2/3) –

• See page 150, 151, 153 for IC Block Diagrams.


【VIDEO BOARD】(2/3)
VIDEO BOARD (1/3) (Page 105) 53
VIDEO BOARD (3/3) (Page 107) 54
VIDEO BOARD (3/3) (Page 107) 55
VIDEO BOARD (3/3) (Page 107) 56
VIDEO BOARD (1/3) (Page 105) 51
I LINK BOARD (9/10) CN3005 (Page 100) BG
IC3604 75Ω DRIVER IC B/D
IC3604 BA7623F
IC3605 TC74HC4053AF VIDEO SWITCH IC B/D
IC3701 VIDEO AMP IC3701 LA7106M IC B/D
IC3331 INPUT SELECTOR IC3331 NJM2586 IC B/D
RY3301
RY3302
Q3301 2SC2712 RELAY DRIVE
D3301 1SS355
J3301 MONITOR OUT
J3302 ASSIGNABLE TV/SAT IN
J3303 ASSIGNABLE DVD IN
COMPONENT VIDEO
PB/CB/B-Y
PR/CR/R-Y
Y
(CHASSIS)
CN3807 7P
CR/C1
CB
CV
Y OUT
CR OUT
CB OUT
GND
UPCON SW
M_MUTE
COMP ON/OFF
VCMUTE
VC_SEL
VC_SE2
FB3601
FB3602
L3701 10µH
L3702 10µH
L3331 10µH
L3332 10µH

6-47. SCHEMATIC DIAGRAM – VIDEO BOARD (3/3) –

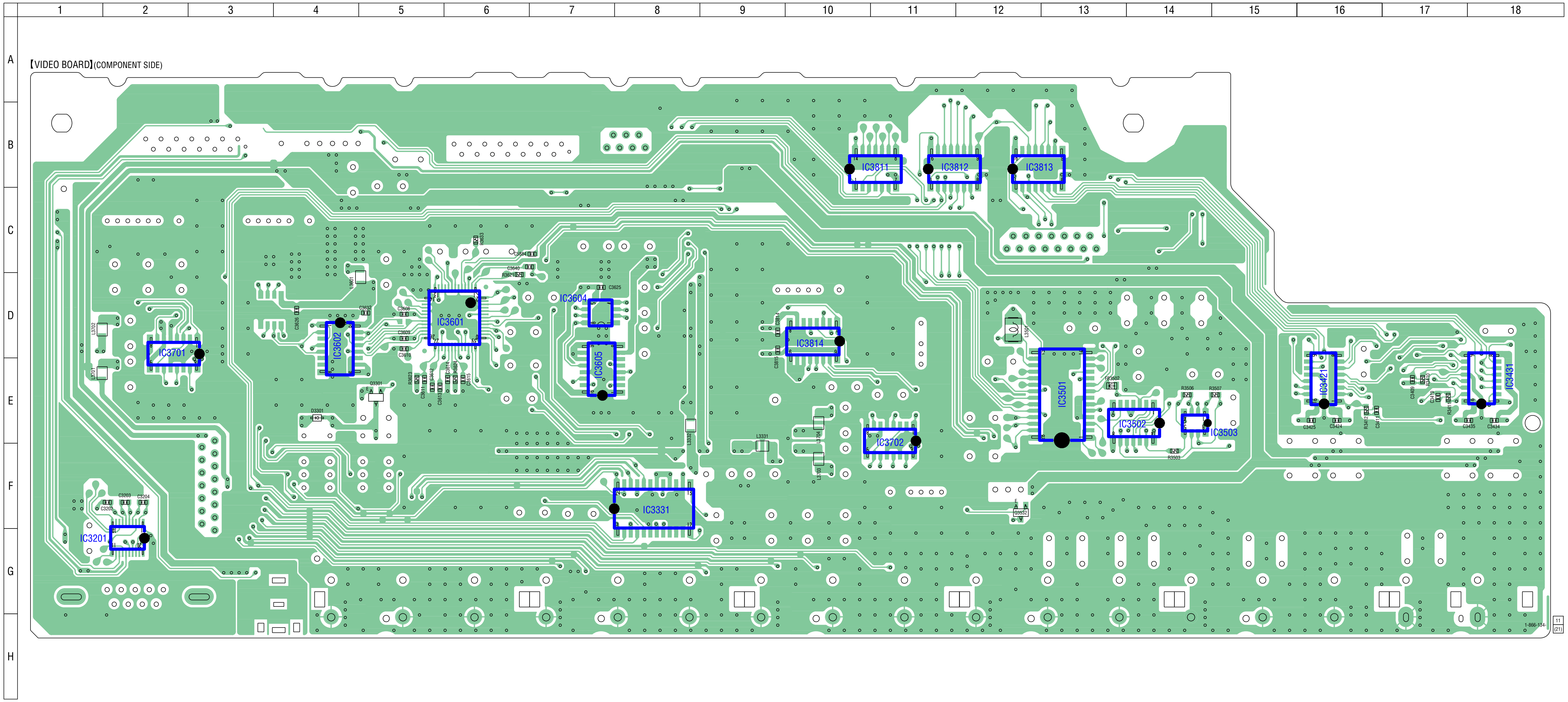
- See page 148 for waveforms.
- See page 150, 151, 153 for IC Block Diagrams.
- See page 57 for IC Pin Function Description.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
A B C D E F G H I J K L
【VIDEO BOARD】(3/3)
52 VIDEO BOARD (1/3) (Page 105)
54 VIDEO BOARD (2/3) (Page 106)
M DIGITAL BOARD (8/8) CN2009 (Page 83)
BF CIS BOARD CN801 (Page 136)
BD S-VIDEO BOARD CN743 (Page 113)
56 VIDEO BOARD (2/3) (Page 106)
55 VIDEO BOARD (2/3) (Page 106)
BJ I LINK BOARD (10/10) CN5003 (Page 101)
BH I LINK BOARD (9/10) CN3005 (Page 100)
CN3801 15P
IIC-DATA
IIC-CLK
OSDLAT
OSDCLK
OSDDATA
NC(XSEL)
STB+5VB
STB-GND
SIRCS IN
SIRCS OUT
TRIG-1
TRIG-2
TRIG-3
CN3802 7P
TP3501 4P
(FOR ADJUSTMENT)
CN3805 5P
Y/OUT
GND
C/OUT
IC3811
LEVEL SHIFT
IC3811 TC74HCT7007AF
IC3501
OSD DRIVER
IC B/D
IC3501 MB90089F-G-238
Q3531,3532 B+ SWITCH
Q3531 2SB734-T-34
Q3532 RT1N141C
OSD_ON
IC3601
VIDEO AMP
IC3601 BH7623KS2
IC3602
VIDEO SWITCH
IC3602 TC74HC4053AF
IC3502
NTSC/PAL SELECT
IC3502 MC74HC00AF
IC3503
NTSC/PAL SELECT
IC3503 TC7WU04F
X3502 14.31MHz
X3503 17.734MHz
OSDSEL
OSD
IC3702
VIDEO AMP
IC3702 LA7106M
IC3814
VIDEO SELECTOR
IC3814 TC74HC4053AF
CN3808 6P
CVBS IN
CB IN
CR IN
CN3809 6P
COUT
YOUT
VOUT
①
②

6-48. PRINTED WIRING BOARD – VIDEO BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.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12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
【VIDEO BOARD】(COMPONENT SIDE)
IC3811
IC3812
IC3813
IC3601
IC3604
IC3602
IC3605
IC3701
IC3814
IC3501
IC3502
IC3503
IC3702
IC3421
IC3431
IC3331
IC3201
D3301
Q3301
Q3532
1-866-334-11
(11)
(21)

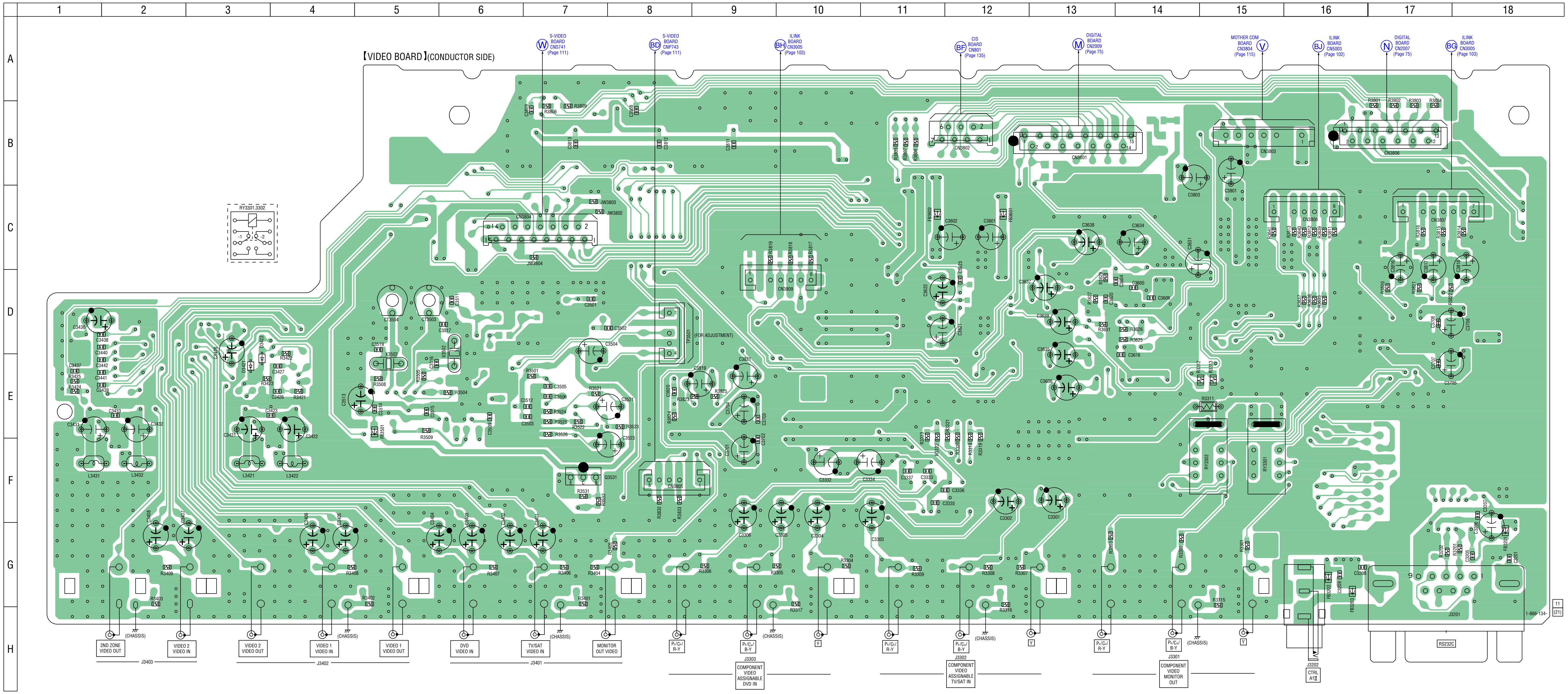
• **Semiconductor Location**

Ref. No.	Location
D3301	E-4
IC3201	G-2
IC3331	F-8
IC3421	E-16
IC3431	E-18
IC3501	E-13
IC3502	E-14
IC3503	E-14
IC3601	D-6
IC3602	D-4
IC3604	D-7
IC3605	E-7
IC3701	D-2
IC3702	E-11
IC3811	B-11
IC3812	B-11
IC3813	B-12
IC3814	D-10
Q3301	E-5
Q3532	F-12

6-49. PRINTED WIRING BOARD – VIDEO BOARD (CONDUCTOR SIDE) –

- See page 112 for Circuit Boards Location.

: Uses unleaded solder.



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9
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11
12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
【VIDEO BOARD】(CONDUCTOR SIDE)
W S-VIDEO BOARD CNS741 (Page 111)
BD S-VIDEO BOARD CNP743 (Page 111)
BH ILINK BOARD CN3005 (Page 103)
BF CIS BOARD CN801 (Page 135)
M DIGITAL BOARD CN2009 (Page 75)
MOTHER COM BOARD CN3804 (Page 115) V
BJ ILINK BOARD CN5003 (Page 102)
N DIGITAL BOARD CN2007 (Page 75)
BG ILINK BOARD CN3005 (Page 103)
RY3301,3302
CN3804
CN3802
CN3801
CN3803
CN3806
CN3808
CN3807
CN3809
CN3805
(FOR ADJUSTMENT)
Q3531
RY3302
RY3301
2ND ZONE VIDEO OUT
(CHASSIS)
VIDEO 2 VIDEO IN
J3403
VIDEO 2 VIDEO OUT
VIDEO 1 VIDEO IN
VIDEO 1 VIDEO OUT
J3402
DVD VIDEO IN
TV/SAT VIDEO IN
MONITOR OUT VIDEO
J3401
P_R/C_R/ R-Y
P_B/C_B/ B-Y
Y
J3303
COMPONENT VIDEO ASSIGNABLE DVD IN
J3302
COMPONENT VIDEO ASSIGNABLE TV/SAT IN
J3301
COMPONENT VIDEO MONITOR OUT
J3202
CTRL A1II
J3201
RS232C
1-866-134-
11
(21)

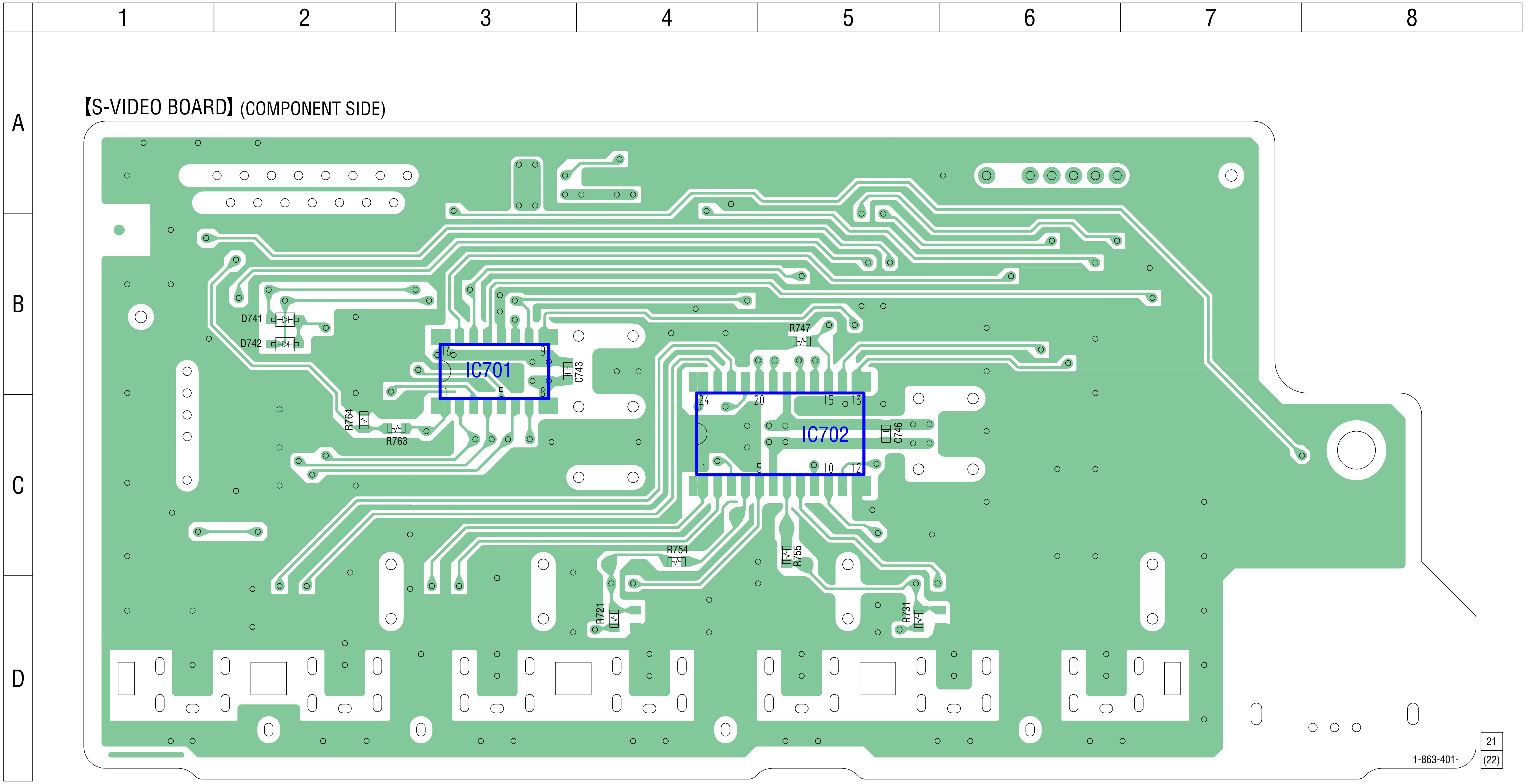
- **Semiconductor Location**

Ref. No.	Location
D3421	E-3
D3422	E-3
Q3531	F-7

6-50. PRINTED WIRING BOARD – S-VIDEO BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

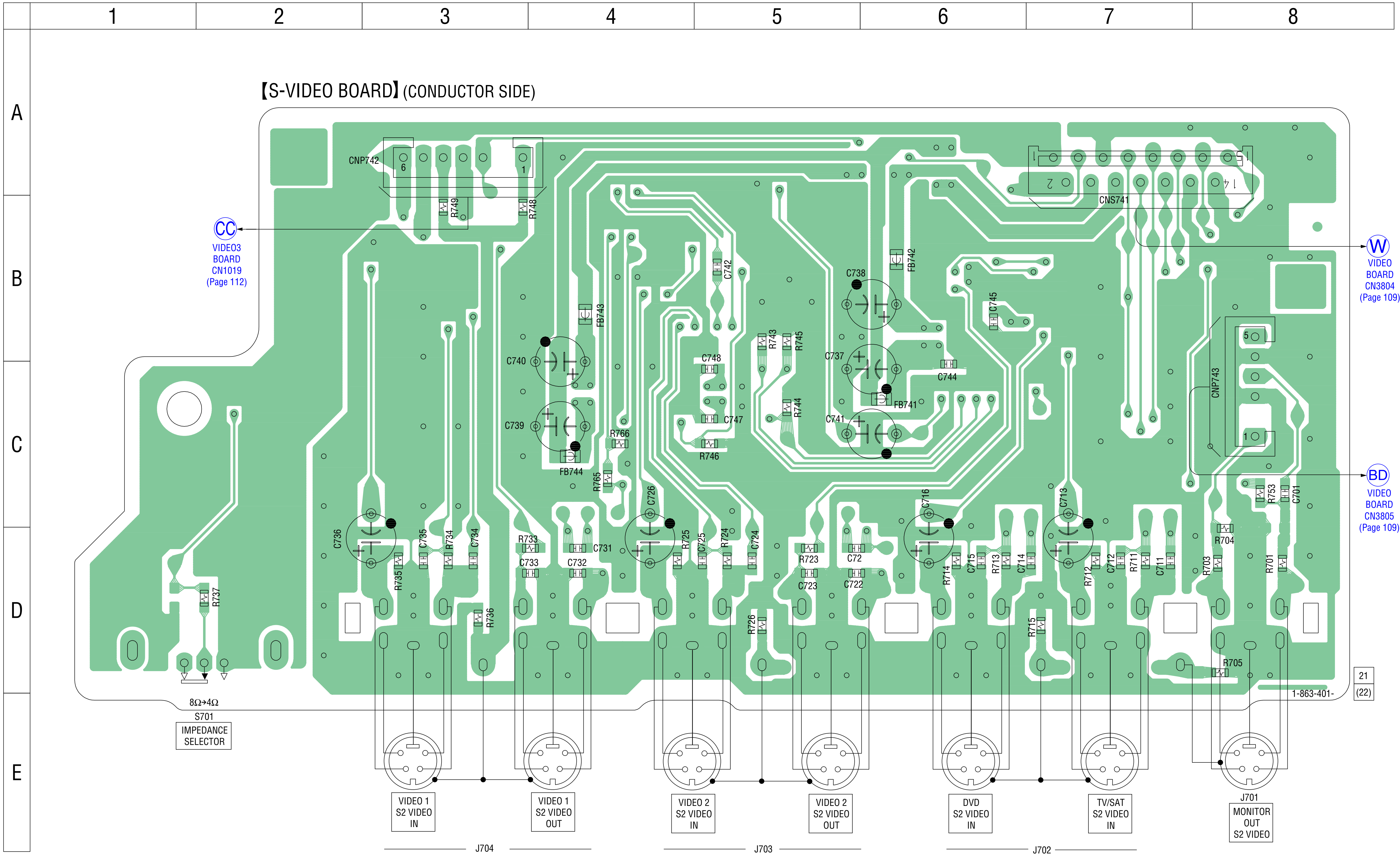
LF : Uses unleaded solder.


1
2
3
4
5
6
7
8
A
B
C
D
【S-VIDEO BOARD】 (COMPONENT SIDE)
D741
D742
IC701
C743
R764
R763
R747
IC702
C746
R754
R755
R721
R731
1-863-401-
21
(22)

6-51. PRINTED WIRING BOARD – S-VIDEO BOARD (CONDUCTOR SIDE) –

• See page 112for Circuit Boards Location.

LF : Uses unleaded solder.


1
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5
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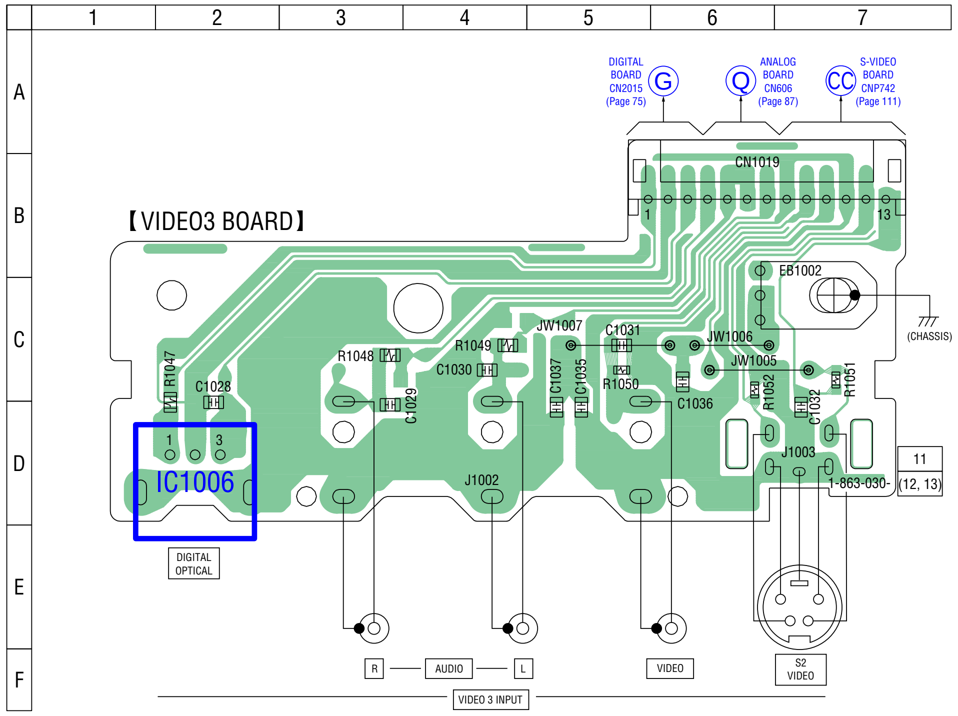
7
8
A
B
C
D
E
【S-VIDEO BOARD】(CONDUCTOR SIDE)
CNP742
6
1
R749
R748
CC
VIDEO3
BOARD
CN1019
(Page 112)
CNS741
1
5
2
14
FB742
C738
C745
W
VIDEO
BOARD
CN3804
(Page 109)
FB743
C742
C740
C739
FB744
R766
R765
C748
C747
R746
R743
R745
R744
C737
C744
FB741
C741
CNP743
5
1
BD
VIDEO
BOARD
CN3805
(Page 109)
R753
C701
R704
C736
C735
R734
C734
R735
R733
C731
C733
C732
C726
R725
C725
R724
C724
R723
C72
C723
C722
C716
R714
C715
R713
C714
C713
R712
C712
R711
C711
R703
R701
R737
R736
R726
R715
R705
21
(22)
1-863-401-
8Ω➔4Ω
S701
IMPEDANCE
SELECTOR
VIDEO 1
S2 VIDEO
IN
VIDEO 1
S2 VIDEO
OUT
VIDEO 2
S2 VIDEO
IN
VIDEO 2
S2 VIDEO
OUT
DVD
S2 VIDEO
IN
TV/SAT
S2 VIDEO
IN
J701
MONITOR
OUT
S2 VIDEO
J704
J703
J702

6-52. PRINTED WIRING BOARD – VIDEO3 BOARD –

- **See page 112 for Circuit Boards Location.** **LF : Uses unleaded solder.**


1
2
3
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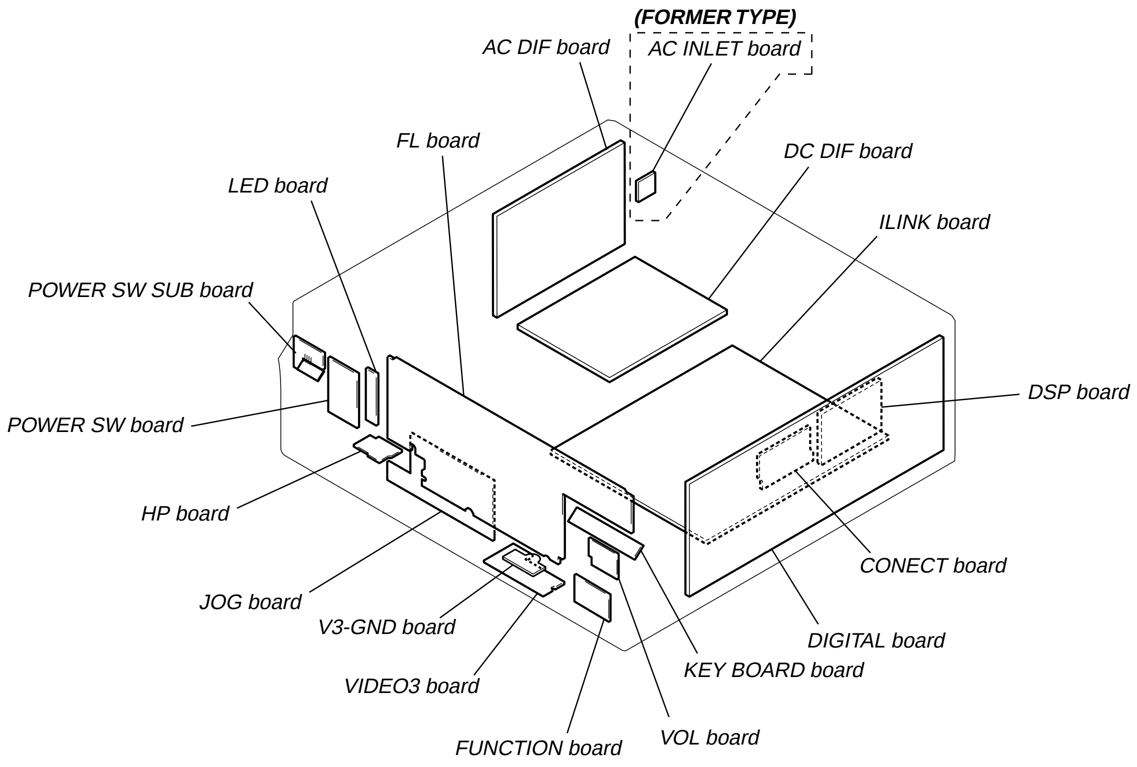
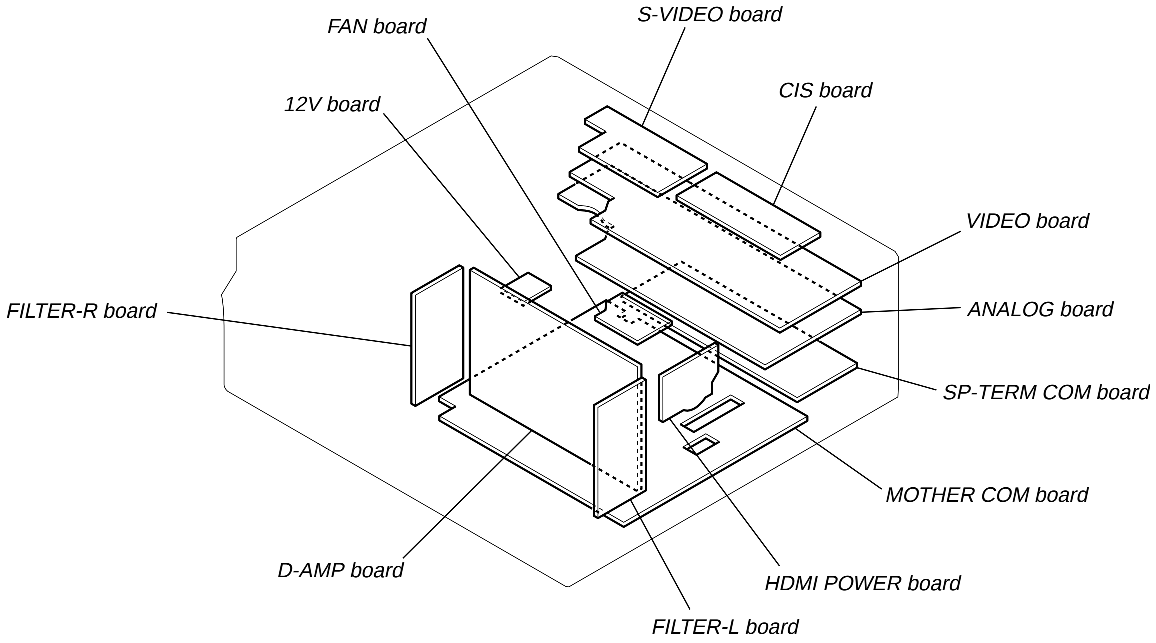
7
A
B
C
D
E
F
DIGITAL BOARD CN2015 (Page 75)
G
Q
ANALOG BOARD CN606 (Page 87)
CC
S-VIDEO BOARD CNP742 (Page 111)
CN1019
1
13
【VIDEO3 BOARD】
EB1002
(CHASSIS)
JW1007
C1031
JW1006
JW1005
R1049
R1048
C1030
C1037
C1035
R1050
C1036
R1052
C1032
R1051
R1047
C1028
C1029
1
3
IC1006
J1002
J1003
1-863-030-
11
(12, 13)
DIGITAL OPTICAL
R
AUDIO
L
VIDEO
S2 VIDEO
VIDEO 3 INPUT

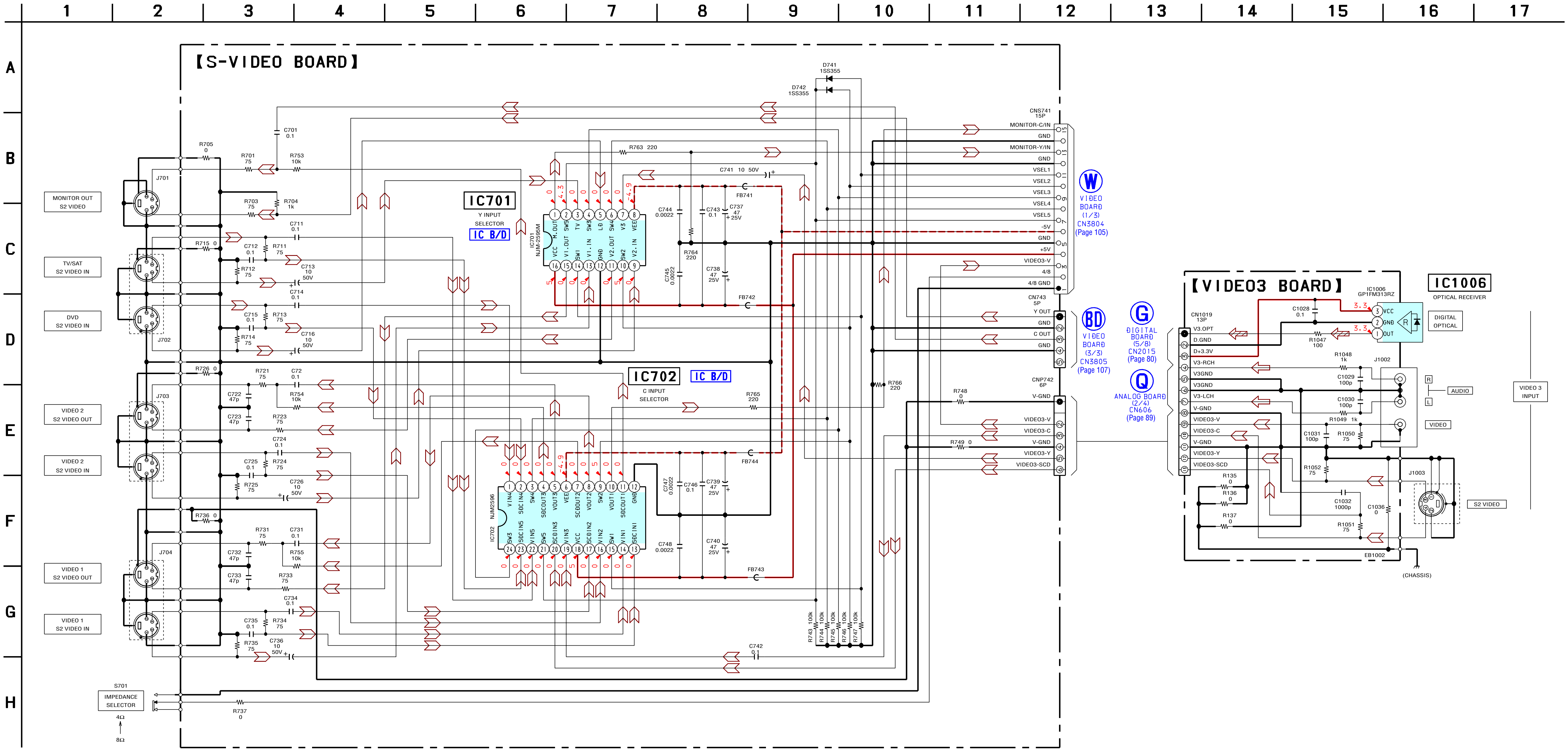
- **Circuit Boards Location**


(FORMER TYPE)
AC DIF board
AC INLET board
FL board
DC DIF board
LED board
ILINK board
POWER SW SUB board
DSP board
POWER SW board
HP board
CONECT board
JOG board
V3-GND board
DIGITAL board
KEY BOARD board
VIDEO3 board
VOL board
FUNCTION board


FAN board
S-VIDEO board
CIS board
12V board
VIDEO board
ANALOG board
FILTER-R board
SP-TERM COM board
MOTHER COM board
D-AMP board
HDMI POWER board
FILTER-L board

6-53. SCHEMATIC DIAGRAM – S-VIDEO SECTION –

• See page 162, 163 for IC Block Diagrams.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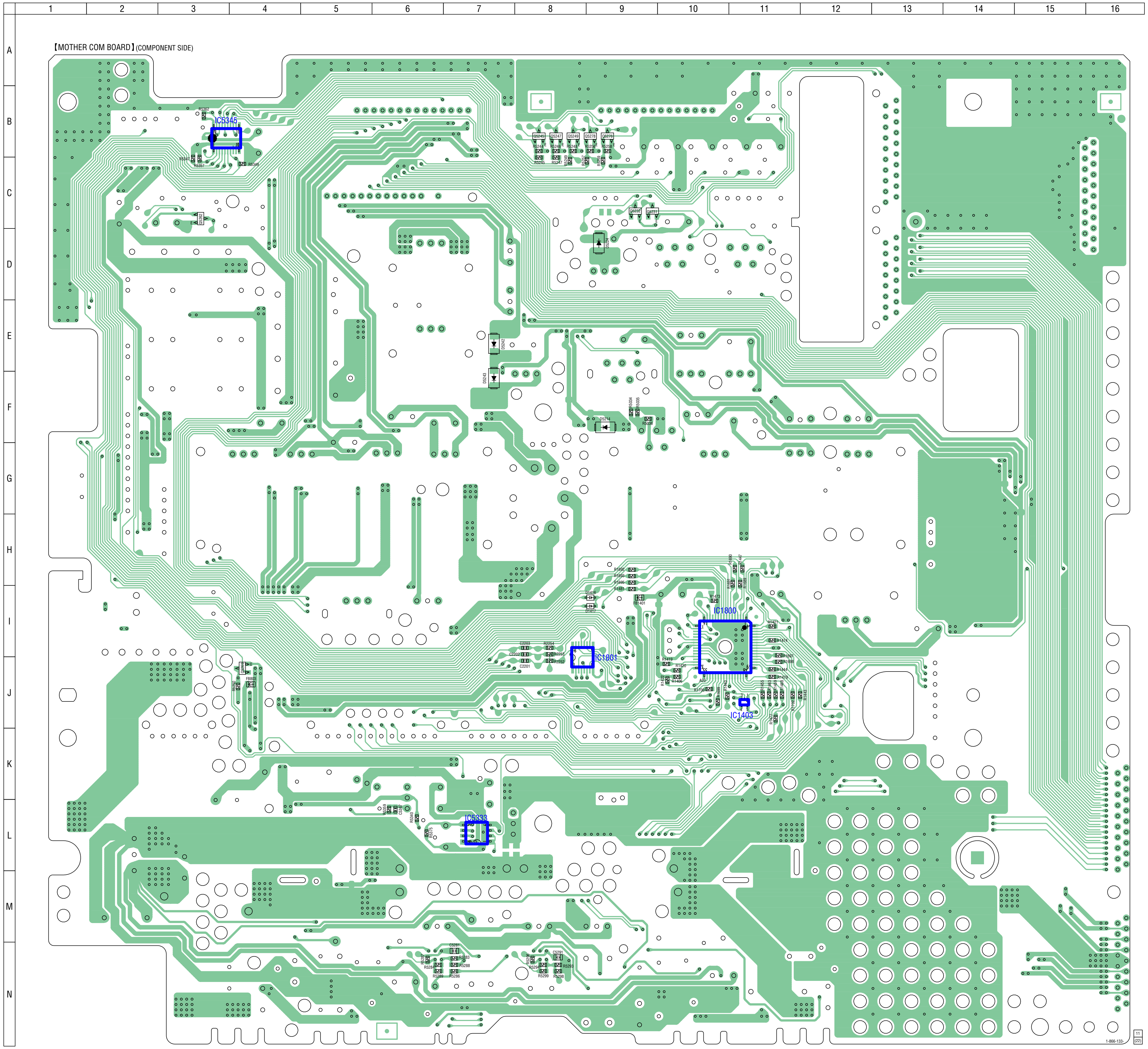
16
17
A
B
C
D
E
F
G
H
【S-VIDEO BOARD】
MONITOR OUT S2 VIDEO
TV/SAT S2 VIDEO IN
DVD S2 VIDEO IN
VIDEO 2 S2 VIDEO OUT
VIDEO 2 S2 VIDEO IN
VIDEO 1 S2 VIDEO OUT
VIDEO 1 S2 VIDEO IN
J701
J702
J703
J704
S701 IMPEDANCE SELECTOR
4Ω
8Ω
R737 0
IC701
Y INPUT SELECTOR
IC B/D
IC701 NJM2595M
IC702
C INPUT SELECTOR
IC B/D
IC702 NJM2596
D741 1SS355
D742 1SS355
CNS741 15P
MONITOR-C/IN
GND
MONITOR-Y/IN
GND
VSEL1
VSEL2
VSEL3
VSEL4
VSEL5
-5V
GND
+5V
VIDEO3-V
4/8
4/8 GND
CN743 5P
Y OUT
GND
C OUT
GND
CNP742 6P
V-GND
VIDEO3-V
VIDEO3-C
V-GND
VIDEO3-Y
VIDEO3-SCD
W
VIDEO BOARD (1/3) CN3804 (Page 105)
BD
VIDEO BOARD (3/3) CN3805 (Page 107)
G
DIGITAL BOARD (5/8) CN2015 (Page 80)
Q
ANALOG BOARD (2/4) CN606 (Page 89)
【VIDEO3 BOARD】
IC1006
IC1006 GP1FM313RZ
OPTICAL RECEIVER
DIGITAL OPTICAL
CN1019 13P
V3.OPT
D.GND
D+3.3V
V3-RCH
V3GND
V3GND
V3-LCH
V-GND
VIDEO3-V
VIDEO3-C
V-GND
VIDEO3-Y
VIDEO3-SCD
J1002
J1003
AUDIO
VIDEO
S2 VIDEO
VIDEO 3 INPUT
EB1002
(CHASSIS)
R
L
VCC
GND
OUT
3.3
R705 0
R701 75
R753 10k
C701 0.1
R703 75
R704 1k
C711 0.1
R715 0
C712 0.1
R711 75
R712 75
C713 10 50V
C714 0.1
C715 0.1
R713 75
R714 75
C716 10 50V
R726 0
R721 75
C72 0.1
C722 47p
R754 10k
C723 47p
R723 75
C724 0.1
C725 0.1
R724 75
R725 75
C726 10 50V
R736 0
R731 75
C731 0.1
C732 47p
R755 10k
C733 47p
R733 75
C734 0.1
C735 0.1
R734 75
R735 75
C736 10 50V
R763 220
C741 10 50V
FB741
C744 0.0022
C743 0.1
C737 47 25V
R764 220
C745 0.0022
C738 47 25V
FB742
R765 220
R766 220
FB744
C747 0.0022
C746 0.1
C739 47 25V
C748 0.0022
C740 47 25V
FB743
C742 0.1
R743 100k
R744 100k
R745 100k
R746 100k
R747 100k
R748 0
R749 0
C1028 0.1
R1047 100
R1048 1k
C1029 100p
C1030 100p
R1049 1k
C1031 100p
R1050 75
R1052 75
R135 0
R136 0
R137 0
C1032 1000p
C1036 0
R1051 75
4.3
4.9
5.0
VCC
M.OUT
SW3
TV
SW5
LD
SW4
V3
VEE
V1.OUT
SW1
V1.IN
GND
V2.OUT
SW2
V2.IN
VIN4
SDCIN4
SW4
SDCOUT3
VOUT3
VEE
SCDOUT2
VOUT2
SW2
VOUT1
SDCOUT1
GND
SW3
SDCIN5
VIN5
SW5
SDCIN3
VIN3
VCC
SDCIN2
VIN2
SW1
VIN1
SDCIN1

6-54. PRINTED WIRING BOARD – MOTHER COM BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

: Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L
M
N
【MOTHER COM BOARD】(COMPONENT SIDE)
IC5345
IC1800
IC1801
IC1403
IC5333
1-866-133-
11
(22)

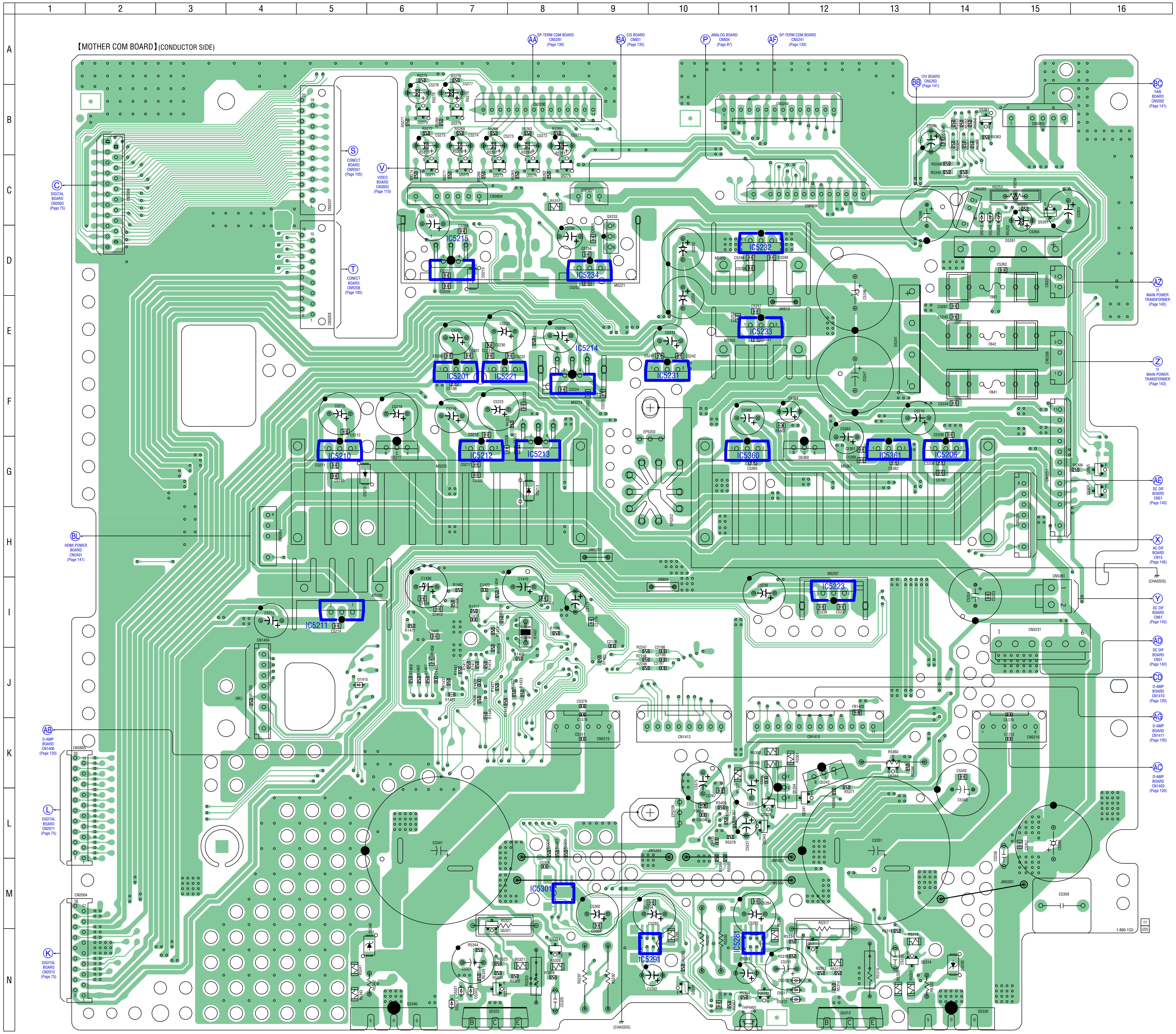
- **Semiconductor Location**

Ref. No.	Location
D1416	I-9
D1417	I-9
D5214	F-9
D5224	D-9
D5242	E-7
D5243	F-7
IC1403	J-11
IC1800	I-10
IC1801	J-8
IC5333	L-7
IC5345	B-3
Q5231	C-9
Q5232	C-9
Q5245	B-8
Q5247	B-8
Q5249	B-8
Q5262	C-3
Q5269	J-4
Q5276	B-9
Q5278	B-9

6-55. PRINTED WIRING BOARD – MOTHER COM BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

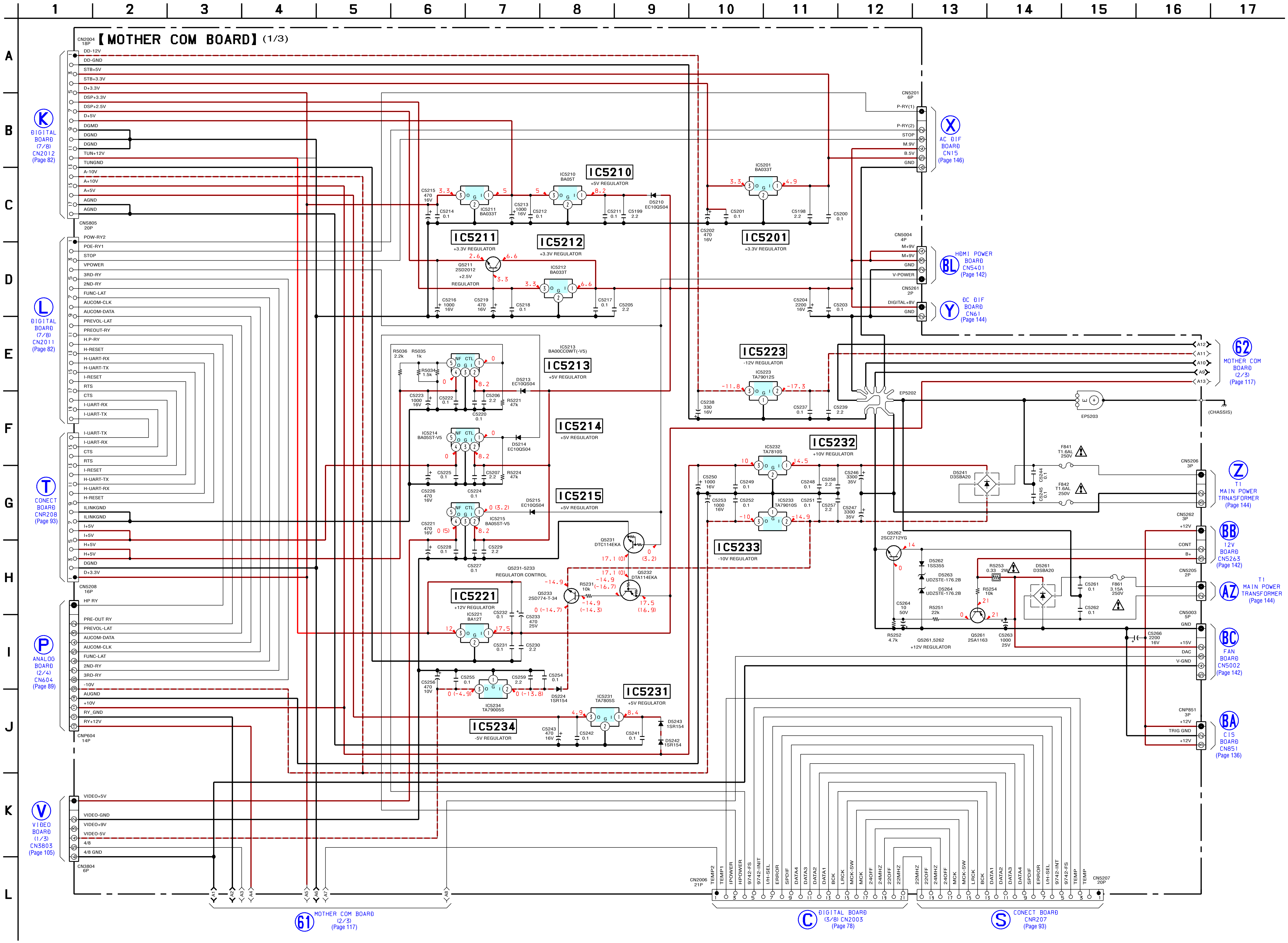
: Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L
M
N
【MOTHER COM BOARD】(CONDUCTOR SIDE)
AA SP-TERM COM BOARD CN5281 (Page 130)
BA CIS BOARD CN851 (Page 135)
P ANALOG BOARD CN604 (Page 87)
AF SP-TERM COM BOARD CN5241 (Page 130)
BB 12V BOARD CN5263 (Page 141)
BC FAN BOARD CN5002 (Page 141)
AZ TI MAIN POWER TRANSFORMER (Page 143)
Z TI MAIN POWER TRANSFORMER (Page 143)
AE DC DIF BOARD CN51 (Page 143)
X AC DIF BOARD CN15 (Page 145)
(CHASSIS)
Y DC DIF BOARD CN61 (Page 143)
AD DC DIF BOARD CN31 (Page 143)
CD D-AMP BOARD CN1410 (Page 120)
AG D-AMP BOARD CN1411 (Page 120)
AC D-AMP BOARD CN1403 (Page 120)
C DIGITAL BOARD CN2003 (Page 75)
S CONECT BOARD CNR207 (Page 105)
V VIDEO BOARD CN3803 (Page 110)
T CONECT BOARD CNR208 (Page 105)
BL HDMI POWER BOARD CN5401 (Page 141)
AB D-AMP BOARD CN1406 (Page 120)
L DIGITAL BOARD CN2011 (Page 75)
K DIGITAL BOARD CN2012 (Page 75)
CN5280
CN5240
CN2006
CN5207
CN5208
CNS805
CN2004
IC5201
IC5206
IC5210
IC5211
IC5212
IC5213
IC5214
IC5215
IC5221
IC5223
IC5231
IC5232
IC5233
IC5234
IC5281
IC5291
IC5301
IC5360
IC5361
1-866-133-11 (22)

• **Semiconductor Location**

Ref. No.	Location
D1415	J-5
D5210	G-5
D5213	G-8
D5215	D-7
D5241	E-13
D5261	D-15
D5262	C-14
D5263	C-14
D5264	C-14
D5310	N-12
D5311	N-12
D5312	N-12
D5320	N-7
D5321	N-7
D5322	N-7
D5330	N-14
D5340	N-6
IC5201	F-7
IC5206	G-14
IC5210	G-5
IC5211	I-5
IC5212	G-7
IC5213	G-8
IC5214	F-8
IC5215	D-7
IC5221	F-7
IC5223	I-12
IC5231	F-10
IC5232	D-11
IC5233	E-11
IC5234	D-9
IC5281	N-11
IC5291	N-10
IC5301	M-8
IC5360	G-11
IC5361	G-13
Q5211	G-6
Q5233	D-9
Q5261	C-15
Q5270	B-6
Q5271	C-6
Q5272	C-7
Q5273	C-7
Q5274	C-8
Q5275	C-8
Q5279	B-7
Q5281	N-11
Q5291	N-10
Q5305	G-16
Q5306	G-16
Q5311	N-12
Q5312	N-12
Q5313	N-12
Q5314	N-13
Q5321	M-7
Q5322	N-7
Q5323	N-7
Q5324	N-8
Q5328	L-11
Q5330	N-14
Q5334	K-11
Q5340	N-6
Q5341	L-12
Q5342	K-12
Q5343	L-11
Q5344	K-13
Q5360	G-12
Q5361	B-14

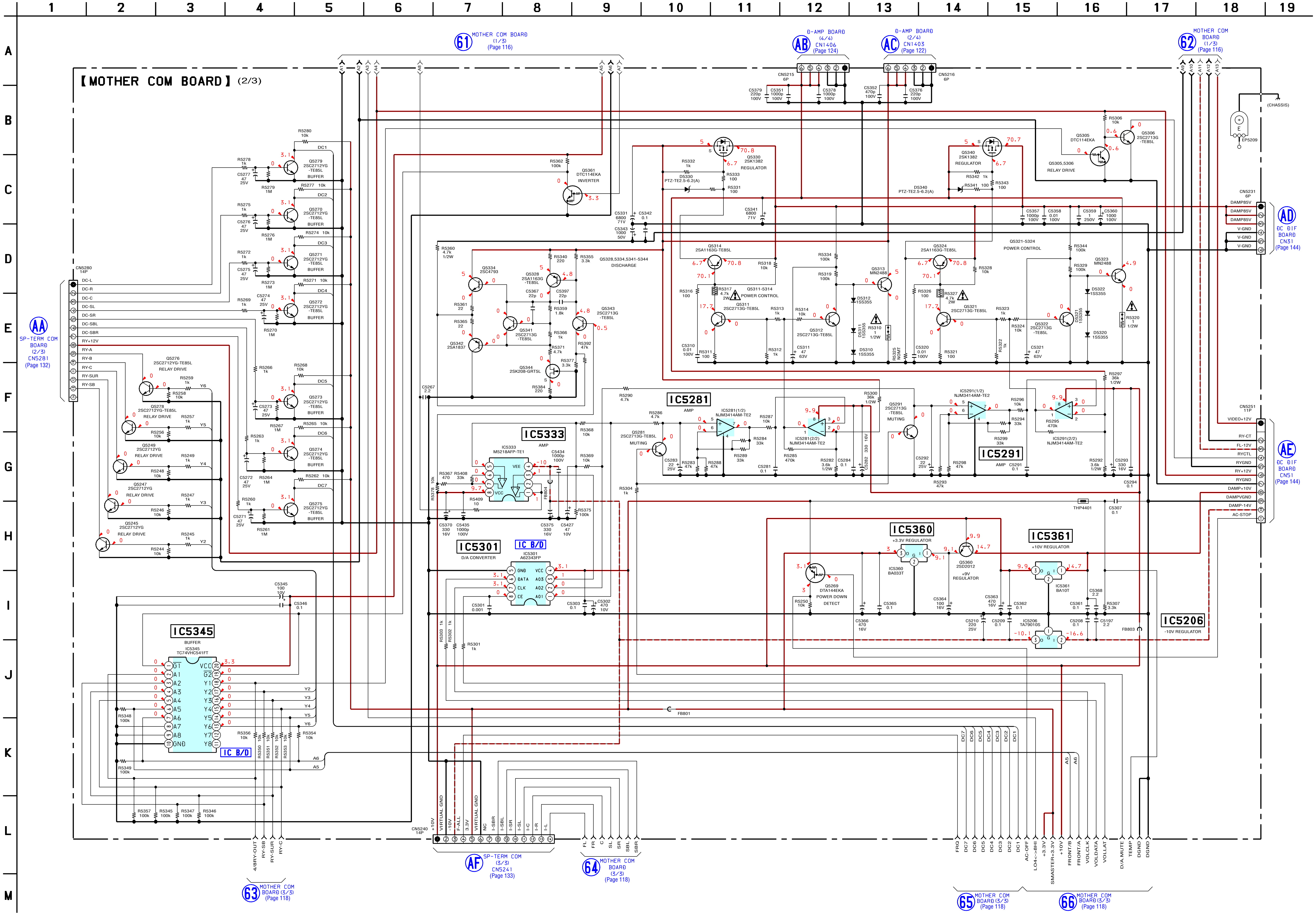
6-56. SCHEMATIC DIAGRAM – MOTHER COM BOARD (1/3) –



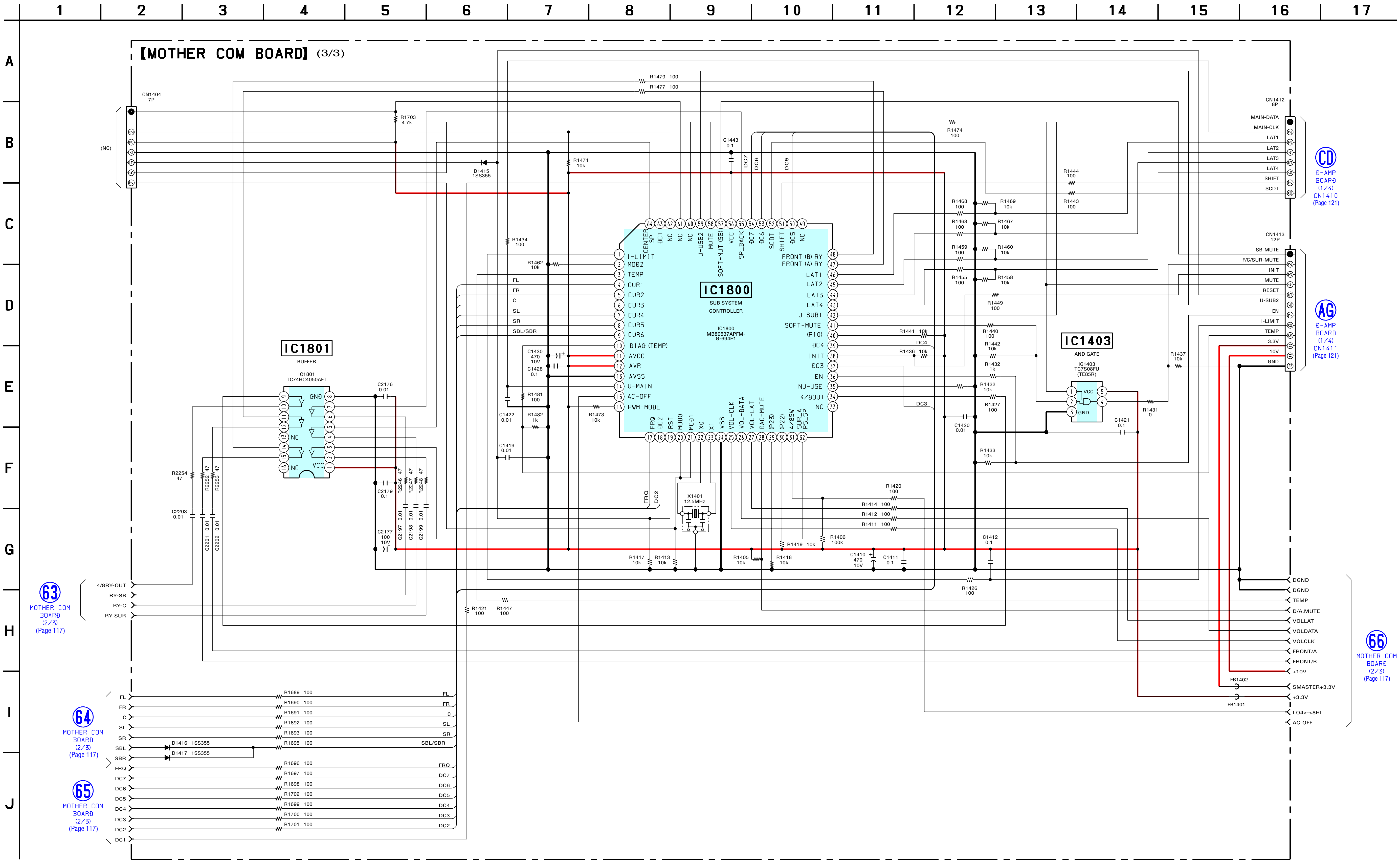
【MOTHER COM BOARD】 (1/3)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L
CN2004 18P
DD-12V
DD-GND
STB+5V
STB+3.3V
D+3.3V
DSP+3.3V
DSP+2.5V
D+5V
DGMD
DGND
DGND
TUN+12V
TUNGND
A-10V
A+10V
A+5V
AGND
AGND
K DIGITAL BOARD (7/8) CN2012 (Page 82)
CN5805 20P
POW-RY2
POE-RY1
STOP
VPOWER
3RD-RY
2ND-RY
FUNC-LAT
AUCOM-CLK
AUCOM-DATA
PREVOL-LAT
PREOUT-RY
H.P-RY
H-RESET
H-UART-RX
H-UART-TX
I-RESET
RTS
CTS
I-UART-RX
I-UART-TX
L DIGITAL BOARD (7/8) CN2011 (Page 82)
I-UART-TX
I-UART-RX
CTS
RTS
I-RESET
H-UART-TX
H-UART-RX
H-RESET
ILINKGND
ILINKGND
I+5V
I+5V
H+5V
H+5V
DGND
D+3.3V
T CONECT BOARD CNR208 (Page 93)
CN5208 16P
HP RY
PRE-OUT RY
PREVOL-LAT
AUCOM-DATA
AUCOM-CLK
FUNC-LAT
2ND-RY
3RD-RY
-10V
AUGND
+10V
RY_GND
RY+12V
CNP604 14P
P ANALOG BOARD (2/4) CN604 (Page 89)
VIDEO+5V
VIDEO-GND
VIDEO+9V
VIDEO-5V
4/8
4/8 GND
CN3804 6P
V VIDEO BOARD (1/3) CN3803 (Page 105)
A1 A2 A3 A4 A5 A6 A7 A8
61 MOTHER COM BOARD (2/3) (Page 117)
IC5210 BA05T
IC5210 +5V REGULATOR
IC5211 BA033T
IC5211 +3.3V REGULATOR
IC5212 BA033T
IC5212 +3.3V REGULATOR
Q5211 2SD2012 +2.5V REGULATOR
IC5201 BA033T
IC5201 +3.3V REGULATOR
D5210 EC10QS04
C5215 470 16V
C5214 0.1
C5213 1000 16V
C5212 0.1
C5211 0.1
C5199 2.2
C5202 470 16V
C5201 0.1
C5198 2.2
C5200 0.1
C5216 1000 16V
C5219 470 16V
C5218 0.1
C5217 0.1
C5205 2.2
C5204 2200 16V
C5203 0.1
3.3 5 5 8.2 3.3 4.9 2.6 6.6 3.3 3.3 6.6
CN5201 6P
P-RY(1)
P-RY(2)
STOP
M.9V
B.5V
GND
X AC DIF BOARD CN15 (Page 146)
CN5004 4P
M+9V
M+9V
GND
V-POWER
BL HDMI POWER BOARD CN5401 (Page 142)
CN5261 2P
DIGITAL+8V
GND
Y DC DIF BOARD CN61 (Page 144)
R5036 2.2k
R5035 1k
R5034 1.5k
IC5213 BA00CC0WT(-V5)
IC5213 +5V REGULATOR
D5213 EC10QS04
C5223 1000 16V
C5222 0.1
C5206 2.2
C5220 0.1
R5221 47k
IC5214 BA05ST-V5
IC5214 +5V REGULATOR
D5214 EC10QS04
C5225 0.1
C5207 2.2
R5224 47k
C5226 470 16V
C5224 0.1
IC5215 BA05ST-V5
IC5215 +5V REGULATOR
D5215 EC10QS04
C5221 470 16V
C5228 0.1
C5229 2.2
C5227 0.1
0 8.2 0 8.2 0 (3.2) 0 (5) 8.2
Q5231 DTC114EKA
Q5231-5233 REGULATOR CONTROL
Q5232 DTA114EKA
Q5233 2SD774-T-34
R5231 10k
17.1 (0) 0 (3.2) 17.1 (0) -14.9 -14.9 (-16.7) 0 (-14.7) -14.9 (-14.3) 17.5 (16.9)
IC5221 +12V REGULATOR
IC5221 BA12T
C5232 0.1
C5233 470 25V
C5231 0.1
C5230 2.2
12 17.5
C5256 470 10V
C5255 0.1
C5259 2.2
C5254 0.1
IC5234 TA79005S
IC5234 -5V REGULATOR
D5224 1SR154
0 (-4.9) 0 (-13.8)
IC5231 TA7805S
IC5231 +5V REGULATOR
C5243 470 16V
C5242 0.1
C5241 0.1
D5243 1SR154
D5242 1SR154
4.9 8.4
IC5223 TA79012S
IC5223 -12V REGULATOR
C5238 330 16V
C5237 0.1
C5239 2.2
-11.8 -17.3
EP5202
EP5203
(CHASSIS)
A12 A11 A10 A9 A13
62 MOTHER COM BOARD (2/3) (Page 117)
IC5232 TA7810S
IC5232 +10V REGULATOR
IC5233 TA79010S
IC5233 -10V REGULATOR
C5250 1000 16V
C5249 0.1
C5248 0.1
C5258 2.2
C5246 3300 35V
C5253 1000 16V
C5252 0.1
C5251 0.1
C5257 2.2
C5247 3300 35V
10 14.5 -10 -14.9
D5241 D3SBA20
C5244 0.1
C5245 0.1
F841 T1.6AL 250V
F842 T1.6AL 250V
CN5206 3P
Z T1 MAIN POWER TRNASFORMER (Page 144)
CN5262 3P
+12V
CONT
B+
BB 12V BOARD CN5263 (Page 142)
Q5262 2SC2712YG
D5262 1SS355
D5263 UDZSTE-176.2B
D5264 UDZSTE-176.2B
R5253 0.33 2W
R5254 10k
R5251 22k
C5264 10 50V
R5252 4.7k
Q5261,5262 +12V REGULATOR
Q5261 2SA1163
C5263 1000 25V
D5261 D3SBA20
C5261 0.1
C5262 0.1
F861 3.15A 250V
14 0 21 0 21
CN5205 2P
AZ T1 MAIN POWER TRANSFORMER (Page 144)
CN5003 5P
GND
+15V
DAC
V-GND
C5266 2200 16V
BC FAN BOARD CN5002 (Page 142)
CNP851 3P
+12V
TRIG GND
+12V
BA CIS BOARD CN851 (Page 136)
CN2006 21P
TEMP2 TEMP1 IPOWER HPOWER 9742-FS 9742-INIT I/H-SEL ERROR SPDIF DATA4 DATA3 DATA2 DATA1 BCK LRCK MCK-SW MCK 24OFF 24MHZ 22OFF 22MHZ
C DIGITAL BOARD (3/8) CN2003 (Page 78)
22MHZ 22OFF 24MHZ 24OFF MCK MCK-SW LRCK BCK DATA1 DATA2 DATA3 DATA4 SPDIF ERROR I/H-SEL 9742-INIT 9742-FS TEMP TEMP
CN5207 20P
S CONECT BOARD CNR207 (Page 93)

6-57. SCHEMATIC DIAGRAM – MOTHER COM BOARD (2/3) –

• See page 160 for IC Block Diagrams.

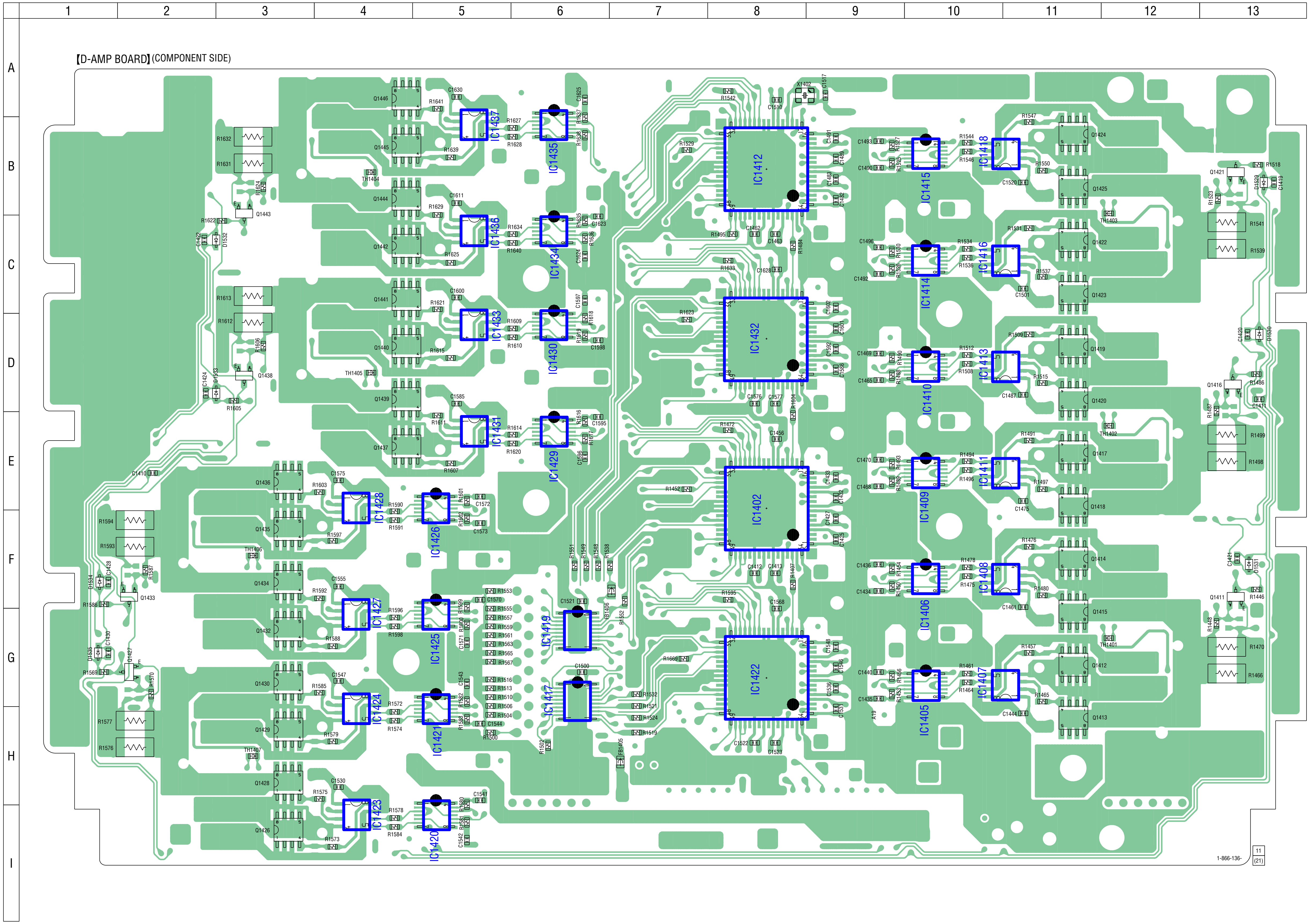

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
A B C D E F G H I J K L M
【MOTHER COM BOARD】 (2/3)
61 MOTHER COM BOARD (1/3) (Page 116)
AB D-AMP BOARD (4/4) CN1406 (Page 124)
AC D-AMP BOARD (2/4) CN1403 (Page 122)
62 MOTHER COM BOARD (1/3) (Page 116)
AA SP-TERM COM BOARD (2/3) CN5281 (Page 132)
AD DC DIF BOARD CN31 (Page 144)
AE DC DIF BOARD CN51 (Page 144)
AF SP-TERM COM (3/3) CN5241 (Page 133)
63 MOTHER COM BOARD (3/3) (Page 118)
64 MOTHER COM BOARD (3/3) (Page 118)
65 MOTHER COM BOARD (3/3) (Page 118)
66 MOTHER COM BOARD (3/3) (Page 118)
CN5215 6P
CN5216 6P
CN5280 14P
CN5231 6P
CN5251 11P
CN5240 14P
IC5281 AMP
IC5333 AMP
IC5291 AMP
IC5301 D/A CONVERTER
IC B/D
IC5345 BUFFER
IC5360 +3.3V REGULATOR
IC5361 +10V REGULATOR
IC5206 -10V REGULATOR
Q5279 Q5270 Q5271 Q5272 Q5273 Q5274 Q5275 2SC2712YG-TE85L BUFFER
Q5276 Q5278 2SC2712YG-TE85L RELAY DRIVE
Q5249 Q5247 Q5245 2SC2712YG RELAY DRIVE
Q5361 DTC114EKA INVERTER
Q5330 2SK1382 REGULATOR
Q5340 2SK1382 REGULATOR
Q5305,5306 RELAY DRIVE
Q5328,5334,5341-5344 DISCHARGE
Q5311-5314 POWER CONTROL
Q5321-5324 POWER CONTROL
Q5281 2SC2713G-TE85L MUTING
Q5291 2SC2713G-TE85L MUTING
Q5269 DTA144EKA POWER DOWN DETECT
Q5360 2SD2012 +9V REGULATOR
DC-L DC-R DC-C DC-SL DC-SR DC-SBL DC-SBR RY+12V RY-A RY-B RY-C RY-SUR RY-SB
DAMP85V DAMP85V DAMP85V V-GND V-GND V-GND
VIDEO+12V RY-CT FL-12V RYCTL RYGND RY+12V RYGND DAMP+10V DAMPVGND DAMP-14V AC-STOP
+10V -10V F-ALL 3.3V VIRTUAL GND VIRTUAL GND NC I-SBR I-SBL I-SR I-SL I-C I-R I-L
FL FR C SL SR SBL SBR
4/8RY-OUT RY-SB RY-SUR RY-C
FRQ DC7 DC6 DC5 DC4 DC3 DC2 DC1 AC-OFF LO4---8HI +3.3V SMASTER+3.3V +10V FRONT/B FRONT/A VOLCLK VOLDATA VOLLAT D/A MUTE TEMP DGND DGND
(CHASSIS) EP5209 THP4401 FB801 FB803

6-58. SCHEMATIC DIAGRAM – MOTHER COM BOARD (3/3) –


【MOTHER COM BOARD】 (3/3)
CN1404 7P
(NC)
R1703 4.7k
D1415 1SS355
R1471 10k
R1479 100
R1477 100
C1443 0.1
DC7
DC6
DC5
R1474 100
CN1412 8P
MAIN-DATA
MAIN-CLK
LAT1
LAT2
LAT3
LAT4
SHIFT
SCDT
CD
D-AMP BOARD (1/4) CN1410 (Page 121)
R1444 100
R1443 100
R1468 100
R1469 10k
R1463 100
R1467 10k
R1459 100
R1460 10k
R1455 100
R1458 10k
R1449 100
CN1413 12P
SB-MUTE
F/C/SUR-MUTE
INIT
MUTE
RESET
U-SUB2
EN
I-LIMIT
TEMP
3.3V
10V
GND
AG
D-AMP BOARD (1/4) CN1411 (Page 121)
R1434 100
R1462 10k
FL
FR
C
SL
SR
SBL/SBR
IC1800
SUB SYSTEM CONTROLLER
IC1800 MB89537APFM-G-694E1
I-LIMIT
MOD2
TEMP
CUR1
CUR2
CUR3
CUR4
CUR5
CUR6
DIAG (TEMP)
AVCC
AVR
AVSS
U-MAIN
AC-OFF
PWM-MODE
CENTER SP
DC1
NC
U-USB2
MUTE
SOFT-MUT (SB)
VCC
SP_BACK
SCDT
SHIFT
FRONT (B) RY
FRONT (A) RY
LAT1
LAT2
LAT3
LAT4
U-SUB1
SOFT-MUTE
(P10)
DC4
INIT
DC3
EN
NU-USE
4/8OUT
FRQ
RST
MOD0
MOD1
X0
X1
VSS
VOL-CLK
VOL-DATA
VOL-LAT
DAC-MUTE
(P23)
(P22)
4/8SW
SUR_A
PS_SP
R1441 10k
R1436 10k
R1440 100
R1442 10k
R1432 1k
R1422 10k
R1427 100
R1437 10k
R1431 0
IC1403
AND GATE
IC1403 TC7S08FU (TE85R)
VCC
GND
C1421 0.1
C1420 0.01
R1433 10k
C1430 470 10V
C1428 0.1
R1481 100
R1482 1k
C1422 0.01
C1419 0.01
R1473 10k
IC1801
BUFFER
IC1801 TC74HC4050AFT
GND
NC
VCC
C2176 0.01
C2179 0.1
C2177 100 10V
R2254 47
R2255 47
R2256 47
R2246 47
R2247 47
R2248 47
C2203 0.01
C2201 0.01
C2202 0.01
C2197 0.01
C2198 0.01
C2199 0.01
X1401 12.5MHz
R1420 100
R1414 100
R1412 100
R1411 100
R1406 100k
R1419 10k
R1417 10k
R1413 10k
R1405 10k
R1418 10k
C1410 470 10V
C1411 0.1
C1412 0.1
R1426 100
R1421 100
R1447 100
63
MOTHER COM BOARD (2/3) (Page 117)
4/8RY-OUT
RY-SB
RY-C
RY-SUR
DGND
DGND
TEMP
D/A.MUTE
VOLLAT
VOLDATA
VOLCLK
FRONT/A
FRONT/B
+10V
FB1402
SMASTER+3.3V
+3.3V
FB1401
LO4<->8HI
AC-OFF
66
MOTHER COM BOARD (2/3) (Page 117)
64
MOTHER COM BOARD (2/3) (Page 117)
65
MOTHER COM BOARD (2/3) (Page 117)
R1689 100
R1690 100
R1691 100
R1692 100
R1693 100
R1695 100
D1416 1SS355
D1417 1SS355
SBL
SBR
FRQ
DC7
DC6
DC5
DC4
DC3
DC2
DC1
R1696 100
R1697 100
R1698 100
R1702 100
R1699 100
R1700 100
R1701 100

6-59. PRINTED WIRING BOARD – D-AMP BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location. : Uses unleaded solder.


【D-AMP BOARD】(COMPONENT SIDE)
1
2
3
4
5
6
7
8
9
10
11
12
13
A
B
C
D
E
F
G
H
I
IC1437
IC1435
IC1436
IC1434
IC1433
IC1430
IC1431
IC1429
IC1428
IC1426
IC1427
IC1425
IC1424
IC1421
IC1423
IC1420
IC1419
IC1417
IC1412
IC1432
IC1402
IC1422
IC1415
IC1418
IC1414
IC1416
IC1410
IC1413
IC1409
IC1411
IC1406
IC1408
IC1405
IC1407
1-866-136-
11
(21)

• Semiconductor Location

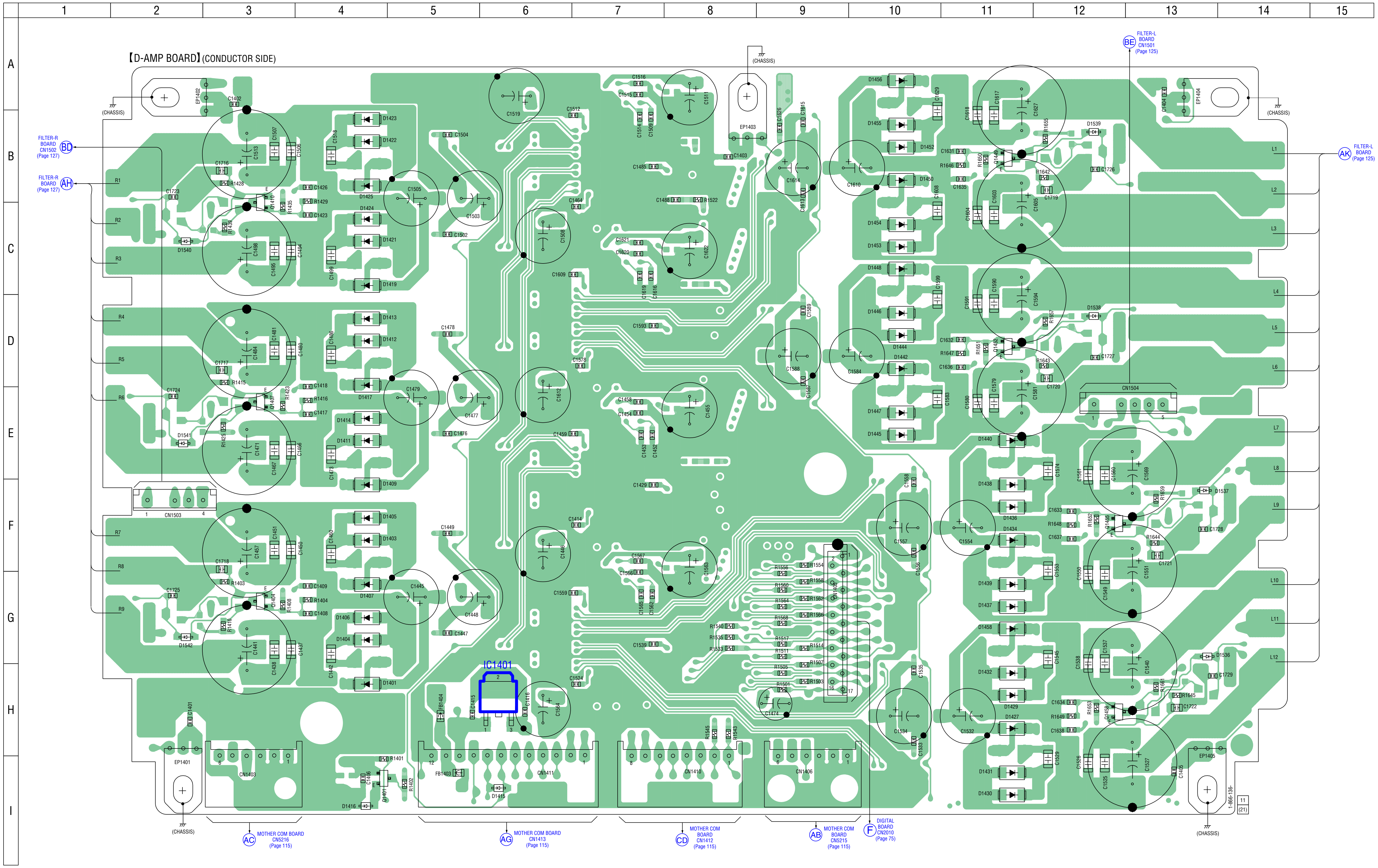
Ref. No.	Location
D1529	B-13
D1530	D-13
D1531	F-13
D1532	C-3
D1533	D-3
D1534	F-1
D1535	G-1
IC1402	E-8
IC1405	G-10
IC1406	F-10
IC1407	G-11
IC1408	F-11
IC1409	E-10
IC1410	D-10
IC1411	E-11
IC1412	B-8
IC1413	D-11
IC1414	C-10
IC1415	B-10
IC1416	C-11
IC1417	G-6
IC1418	B-11
IC1419	G-6
IC1420	I-5
IC1421	H-5
IC1422	G-8
IC1423	I-4
IC1424	H-4
IC1425	G-5
IC1426	E-5
IC1427	G-4
IC1428	E-4
IC1429	E-6
IC1430	D-6
IC1431	E-5
IC1432	D-8
IC1433	D-5
IC1434	C-6
IC1435	B-6
IC1436	C-5
IC1437	B-5
Q1411	F-13
Q1412	G-11
Q1413	H-11
Q1414	F-11
Q1415	G-11
Q1416	D-13
Q1417	E-11
Q1418	E-11
Q1419	D-11
Q1420	D-11
Q1421	B-13
Q1422	C-11
Q1423	C-11
Q1424	B-11
Q1425	B-11
Q1426	I-3
Q1427	G-2
Q1428	H-3
Q1429	H-3
Q1430	G-3
Q1432	G-3
Q1433	F-2
Q1434	F-3
Q1435	F-3
Q1436	E-3
Q1437	E-4
Q1438	D-3
Q1439	D-4
Q1440	D-4
Q1441	C-4
Q1442	C-4
Q1443	B-3
Q1444	B-4
Q1445	B-4
Q1446	A-4

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

6-60. PRINTED WIRING BOARD – D-AMP BOARD (CONDUCTOR SIDE) –

- See page 112 for Circuit Boards Location.

: Uses unleaded solder.

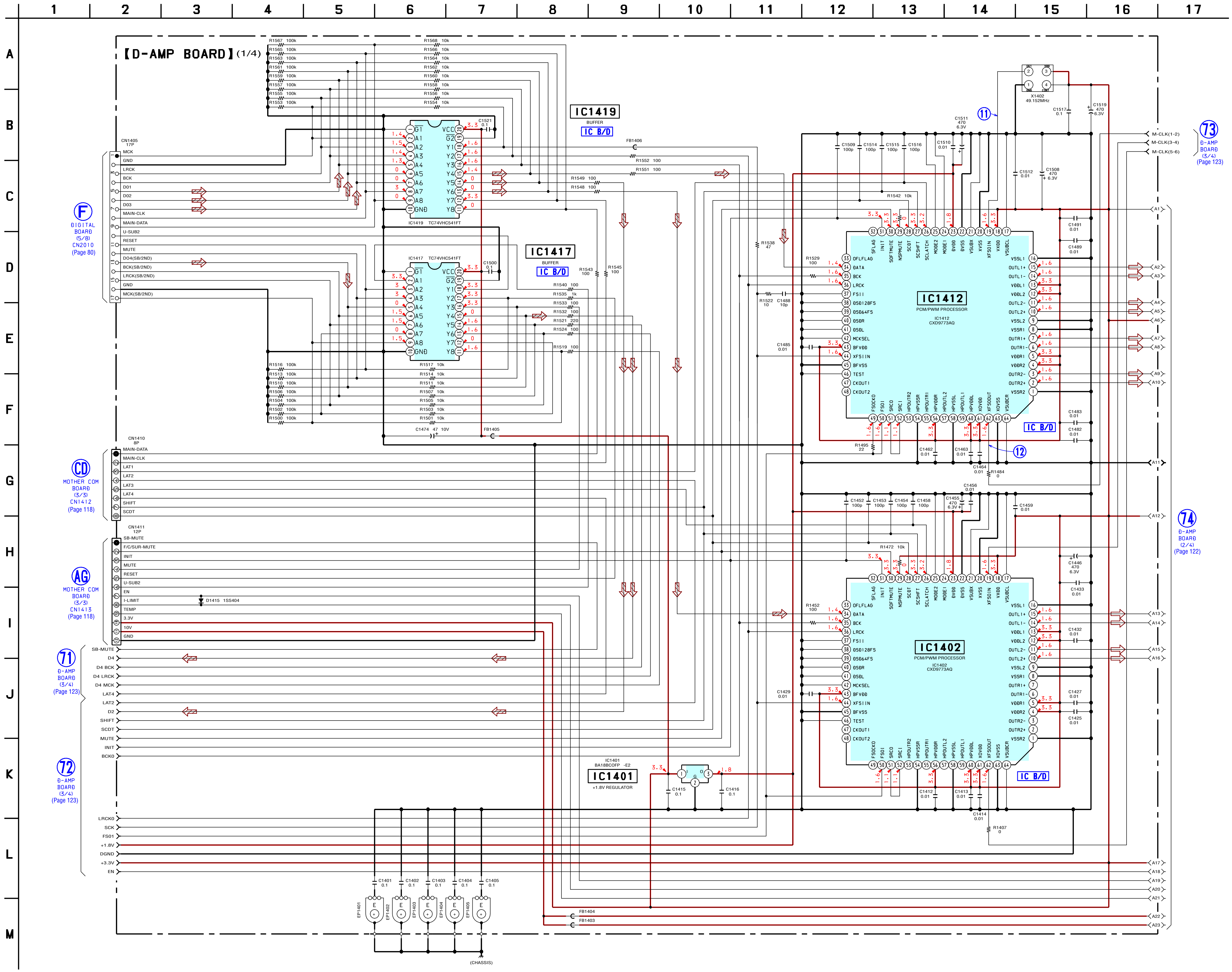

【D-AMP BOARD】(CONDUCTOR SIDE)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I
(CHASSIS)
BD FILTER-R BOARD CN1502 (Page 127)
AH FILTER-R BOARD (Page 127)
BE FILTER-L BOARD CN1501 (Page 125)
AK FILTER-L BOARD (Page 125)
AC MOTHER COM BOARD CN5216 (Page 115)
AG MOTHER COM BOARD CN1413 (Page 115)
CD MOTHER COM BOARD CN1412 (Page 115)
AB MOTHER COM BOARD CN5215 (Page 115)
F DIGITAL BOARD CN2010 (Page 75)
IC1401
CN1503
CN1504
CN1403
CN1411
CN1410
CN1406
EP1401
EP1402
EP1403
EP1404
EP1405
1-866-136-11 (21)

- **Semiconductor Location**

Ref. No.	Location
D1401	H-4
D1403	F-4
D1404	G-4
D1405	F-4
D1406	G-4
D1407	G-4
D1409	F-4
D1411	E-4
D1412	D-4
D1413	D-4
D1414	E-4
D1415	I-6
D1416	I-4
D1417	D-4
D1419	C-4
D1421	C-4
D1422	B-4
D1423	B-4
D1424	C-4
D1425	B-4
D1427	H-11
D1429	H-11
D1430	I-11
D1431	I-11
D1432	H-11
D1434	F-11
D1436	F-11
D1437	G-11
D1438	F-11
D1439	G-11
D1440	E-11
D1442	D-10
D1444	D-10
D1445	E-10
D1446	D-5
D1447	E-10
D1448	C-10
D1450	B-10
D1452	B-10
D1453	C-10
D1454	C-10
D1455	B-10
D1456	A-10
D1458	G-11
D1536	G-13
D1537	F-13
D1538	D-12
D1539	B-12
D1540	C-2
D1541	E-2
D1542	G-2
IC1401	H-6
Q1401	I-4
Q1404	G-3
Q1407	E-3
Q1410	C-3
Q1449	B-11
Q1452	D-11
Q1455	F-12
Q1458	H-12

6-61. SCHEMATIC DIAGRAM – D-AMP BOARD (1/4) –

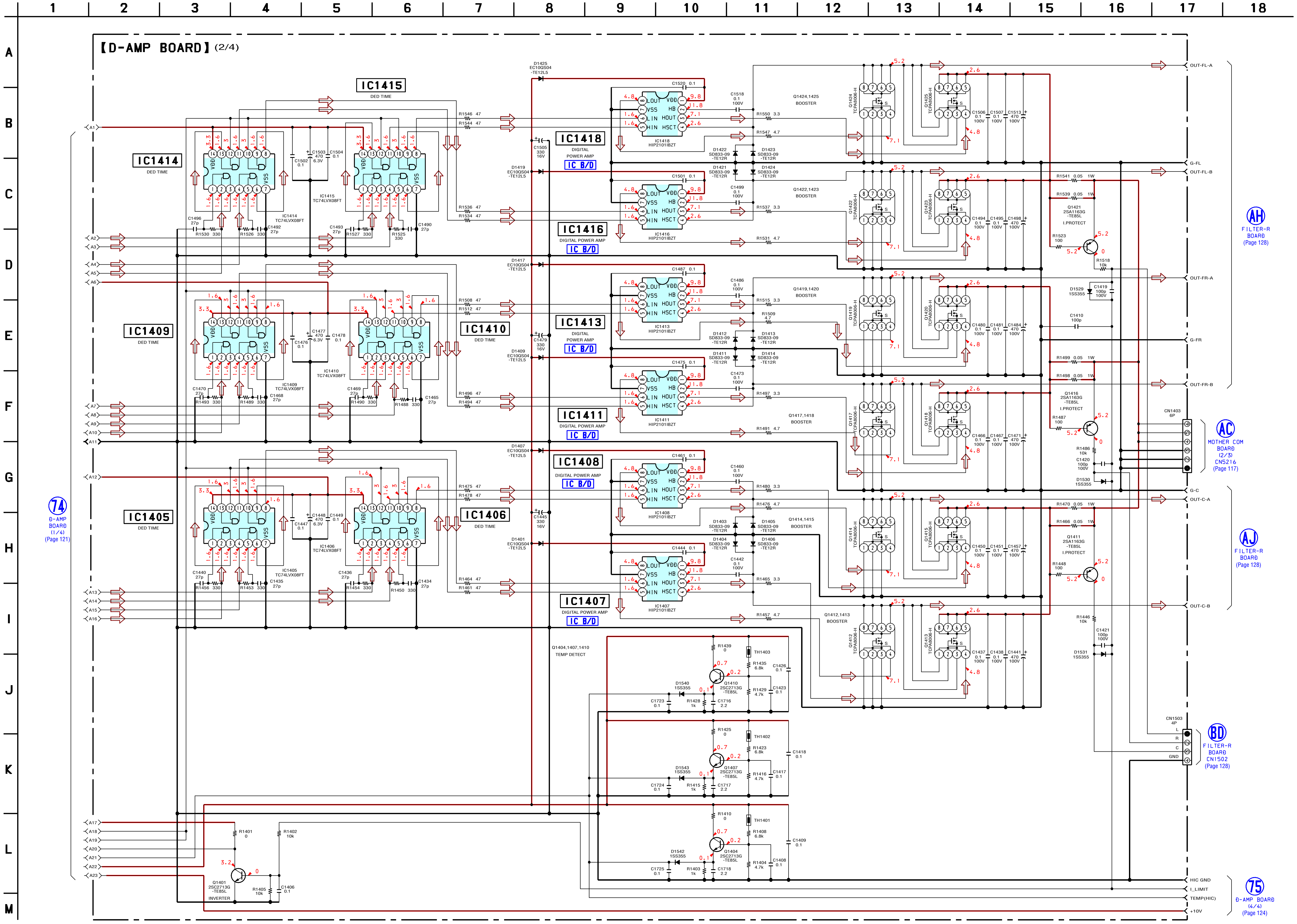
- See page 147 for waveforms.
- See page 156 for IC Block Diagrams.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L M
【D-AMP BOARD】(1/4)
IC1419
BUFFER
IC B/D
IC1419 TC74VHC541FT
IC1417
BUFFER
IC B/D
IC1417 TC74VHC541FT
IC1412
PCM/PWM PROCESSOR
IC1412 CXD9773AQ
IC B/D
IC1402
PCM/PWM PROCESSOR
IC1402 CXD9773AQ
IC B/D
IC1401
IC1401 BA18BC0FP -E2
+1.8V REGULATOR
X1402 49.152MHz
CN1405 17P
MCK
GND
LRCK
BCK
D01
D02
D03
MAIN-CLK
MAIN-DATA
U-SUB2
RESET
MUTE
D04(SB/2ND)
BCK(SB/2ND)
LRCK(SB/2ND)
GND
MCK(SB/2ND)
F
DIGITAL BOARD (5/8) CN2010 (Page 80)
CN1410 8P
MAIN-DATA
MAIN-CLK
LAT1
LAT2
LAT3
LAT4
SHIFT
SCDT
CD
MOTHER COM BOARD (3/3) CN1412 (Page 118)
CN1411 12P
SB-MUTE
F/C/SUR-MUTE
INIT
MUTE
RESET
U-SUB2
EN
I-LIMIT
TEMP
3.3V
10V
GND
D1415 1SS404
AG
MOTHER COM BOARD (3/3) CN1413 (Page 118)
SB-MUTE
D4
D4 BCK
D4 LRCK
D4 MCK
LAT4
LAT2
D2
SHIFT
SCDT
MUTE
INIT
BCK0
71
D-AMP BOARD (3/4) (Page 123)
72
D-AMP BOARD (3/4) (Page 123)
LRCK0
SCK
FS01
+1.8V
DGND
+3.3V
EN
73
D-AMP BOARD (3/4) (Page 123)
M-CLK(1-2)
M-CLK(3-4)
M-CLK(5-6)
74
D-AMP BOARD (2/4) (Page 122)
11
12
EP1401 EP1402 EP1403 EP1404 EP1405
C1401 0.1 C1402 0.1 C1403 0.1 C1404 0.1 C1405 0.1
(CHASSIS)
FB1403 FB1404 FB1405 FB1406

6-62. SCHEMATIC DIAGRAM – D-AMP BOARD (2/4) –

• See page 156 for IC Block Diagrams.

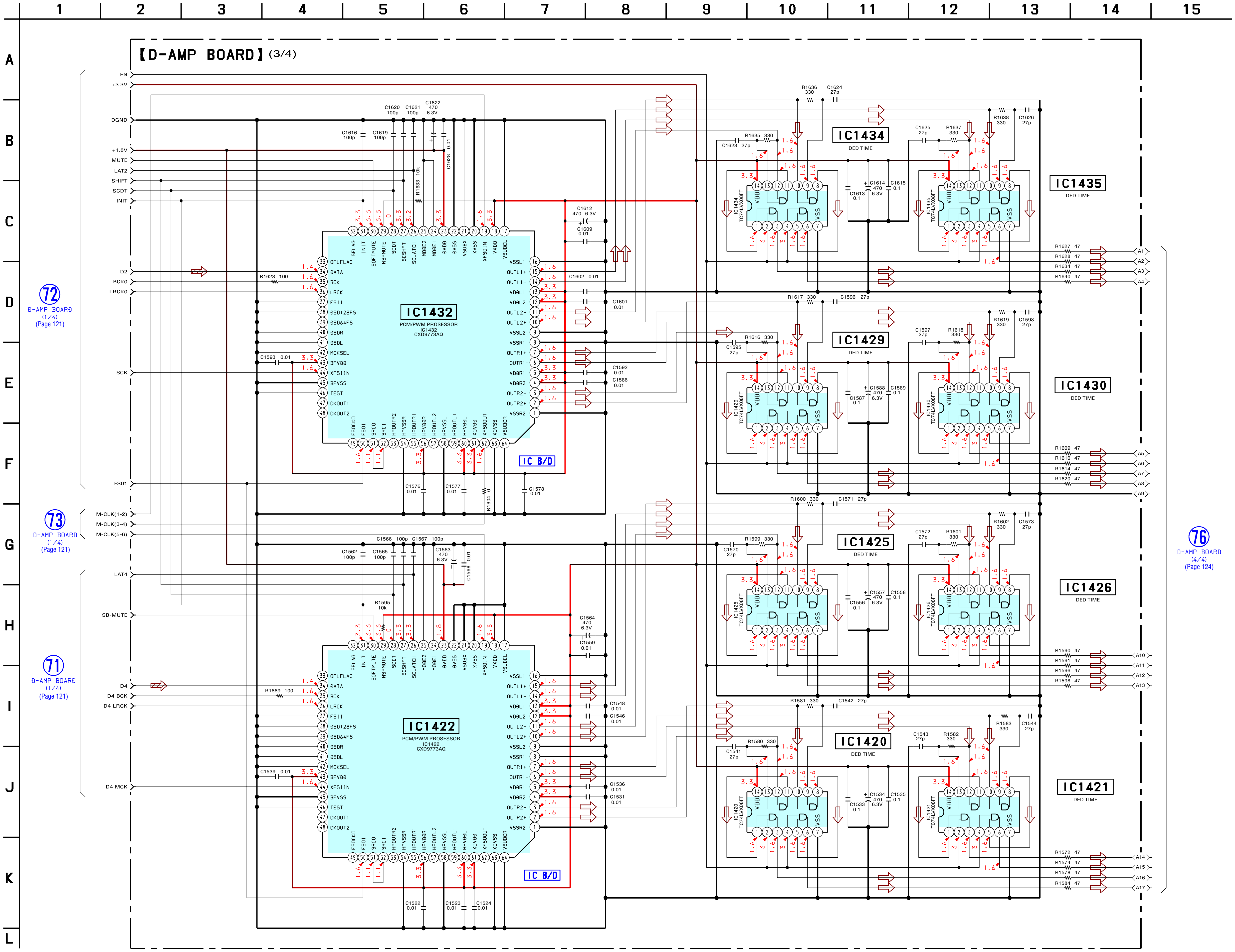


【D-AMP BOARD】(2/4)
IC1415 DED TIME
IC1414 DED TIME
IC1418 DIGITAL POWER AMP IC B/D
IC1416 DIGITAL POWER AMP IC B/D
IC1409 DED TIME
IC1410 DED TIME
IC1413 DIGITAL POWER AMP IC B/D
IC1411 DIGITAL POWER AMP IC B/D
IC1405 DED TIME
IC1406 DED TIME
IC1408 DIGITAL POWER AMP IC B/D
IC1407 DIGITAL POWER AMP IC B/D
Q1424,1425 BOOSTER
Q1422,1423 BOOSTER
Q1419,1420 BOOSTER
Q1417,1418 BOOSTER
Q1414,1415 BOOSTER
Q1412,1413 BOOSTER
Q1421 2SA1163G-TE85L I.PROTECT
Q1416 2SA1163G-TE85L I.PROTECT
Q1411 2SA1163G-TE85L I.PROTECT
Q1404,1407,1410 TEMP DETECT
Q1401 2SC2713G-TE85L INVERTER
OUT-FL-A
G-FL
OUT-FL-B
OUT-FR-A
G-FR
OUT-FR-B
G-C
OUT-C-A
OUT-C-B
HIC GND
I_LIMIT
TEMP(HIC)
+10V
AH FILTER-R BOARD (Page 128)
AC MOTHER COM BOARD (2/3) CN5216 (Page 117)
AJ FILTER-R BOARD (Page 128)
BD FILTER-R BOARD CN1502 (Page 128)
74 D-AMP BOARD (1/4) (Page 121)
75 D-AMP BOARD (4/4) (Page 124)
CN1403 6P
CN1503 4P

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

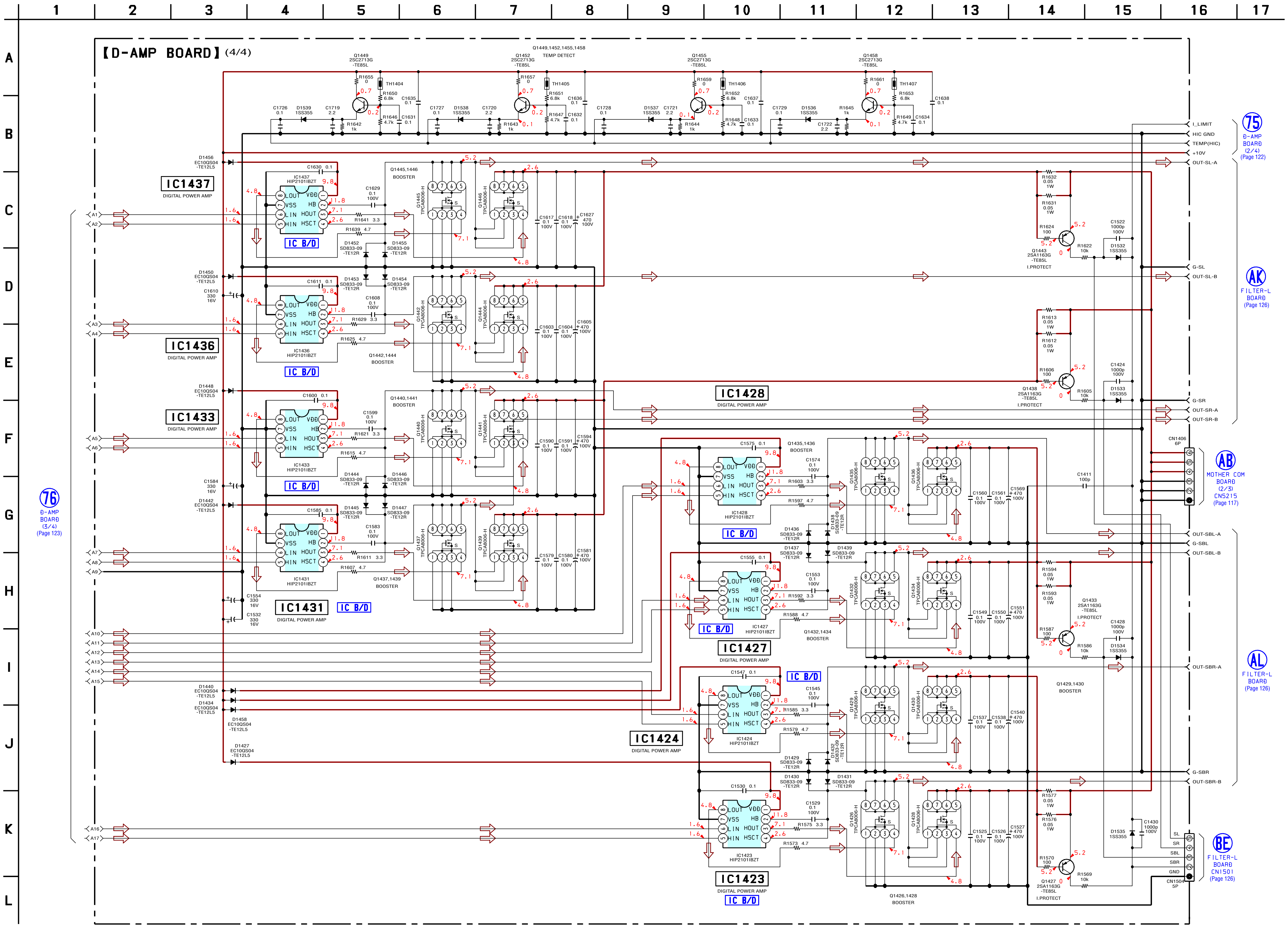
6-63. SCHEMATIC DIAGRAM – D-AMP BOARD (3/4) –

• See page 156 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
L
【D-AMP BOARD】(3/4)
EN
+3.3V
DGND
+1.8V
MUTE
LAT2
SHIFT
SCDT
INIT
D2
BCK0
LRCK0
SCK
FS01
M-CLK(1-2)
M-CLK(3-4)
M-CLK(5-6)
LAT4
SB-MUTE
D4
D4 BCK
D4 LRCK
D4 MCK
72
D-AMP BOARD
(1/4)
(Page 121)
73
D-AMP BOARD
(1/4)
(Page 121)
71
D-AMP BOARD
(1/4)
(Page 121)
76
D-AMP BOARD
(4/4)
(Page 124)
IC1432
PCM/PWM PROCESSOR
IC1432
CXD9773AQ
IC1422
PCM/PWM PROCESSOR
IC1422
CXD9773AQ
IC B/D
IC1434
DED TIME
IC1435
DED TIME
IC1429
DED TIME
IC1430
DED TIME
IC1425
DED TIME
IC1426
DED TIME
IC1420
DED TIME
IC1421
DED TIME
TC74LVX08FT
SFLAG
INIT
SOFTMUTE
NSPMUTE
SDT
SCSHFT
SCLATCH
MODE2
MODE1
DVDD
DVSS
VSUBX
XVSS
XFSOIN
VXDD
VSUBCL
OFLFLAG
DATA
BCK
LRCK
FSII
DSD128FS
DSD64FS
DSDR
DSDL
MCKSEL
BFVDD
XFSIIN
BFVSS
TEST
CKOUT1
CKOUT2
VSSL1
OUTL1+
OUTL1-
VDDL1
VDDL2
OUTL2-
OUTL2+
VSSL2
VSSR1
OUTR1+
OUTR1-
VDDR1
VDDR2
OUTR2-
OUTR2+
VSSR2
FSOCKO
FS01
SRCO
SRCI
HPOUTR2
HPVSSR
HPOUTR1
HPVDDR
HPOUTL2
HPVSSL
HPOUTL1
HPVDDL
XOVDD
XFSOOUT
XOVSS
VSUBCR
VDD
VSS
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
C1620 100p
C1621 100p
C1622 470 6.3V
C1616 100p
C1619 100p
C1628 0.01
R1633 10k
C1612 470 6.3V
C1609 0.01
C1602 0.01
C1601 0.01
C1592 0.01
C1586 0.01
R1623 100
C1593 0.01
C1576 0.01
C1577 0.01
R1604 0
C1578 0.01
C1566 100p
C1567 100p
C1562 100p
C1565 100p
C1563 470 6.3V
C1568 0.01
R1595 10k
C1564 470 6.3V
C1559 0.01
C1548 0.01
C1546 0.01
C1536 0.01
C1531 0.01
R1669 100
C1539 0.01
C1522 0.01
C1523 0.01
C1524 0.01
R1636 330
C1624 27p
R1635 330
C1623 27p
C1625 27p
R1637 330
R1638 330
C1626 27p
C1613 0.1
C1614 470 6.3V
C1615 0.1
R1627 47
R1628 47
R1634 47
R1640 47
R1617 330
C1596 27p
R1616 330
C1595 27p
C1597 27p
R1618 330
R1619 330
C1598 27p
C1587 0.1
C1588 470 6.3V
C1589 0.1
R1609 47
R1610 47
R1614 47
R1620 47
R1600 330
C1571 27p
R1599 330
C1570 27p
C1572 27p
R1601 330
R1602 330
C1573 27p
C1556 0.1
C1557 470 6.3V
C1558 0.1
R1590 47
R1591 47
R1596 47
R1598 47
R1581 330
C1542 27p
R1580 330
C1541 27p
C1543 27p
R1582 330
R1583 330
C1544 27p
C1533 0.1
C1534 470 6.3V
C1535 0.1
R1572 47
R1574 47
R1578 47
R1584 47

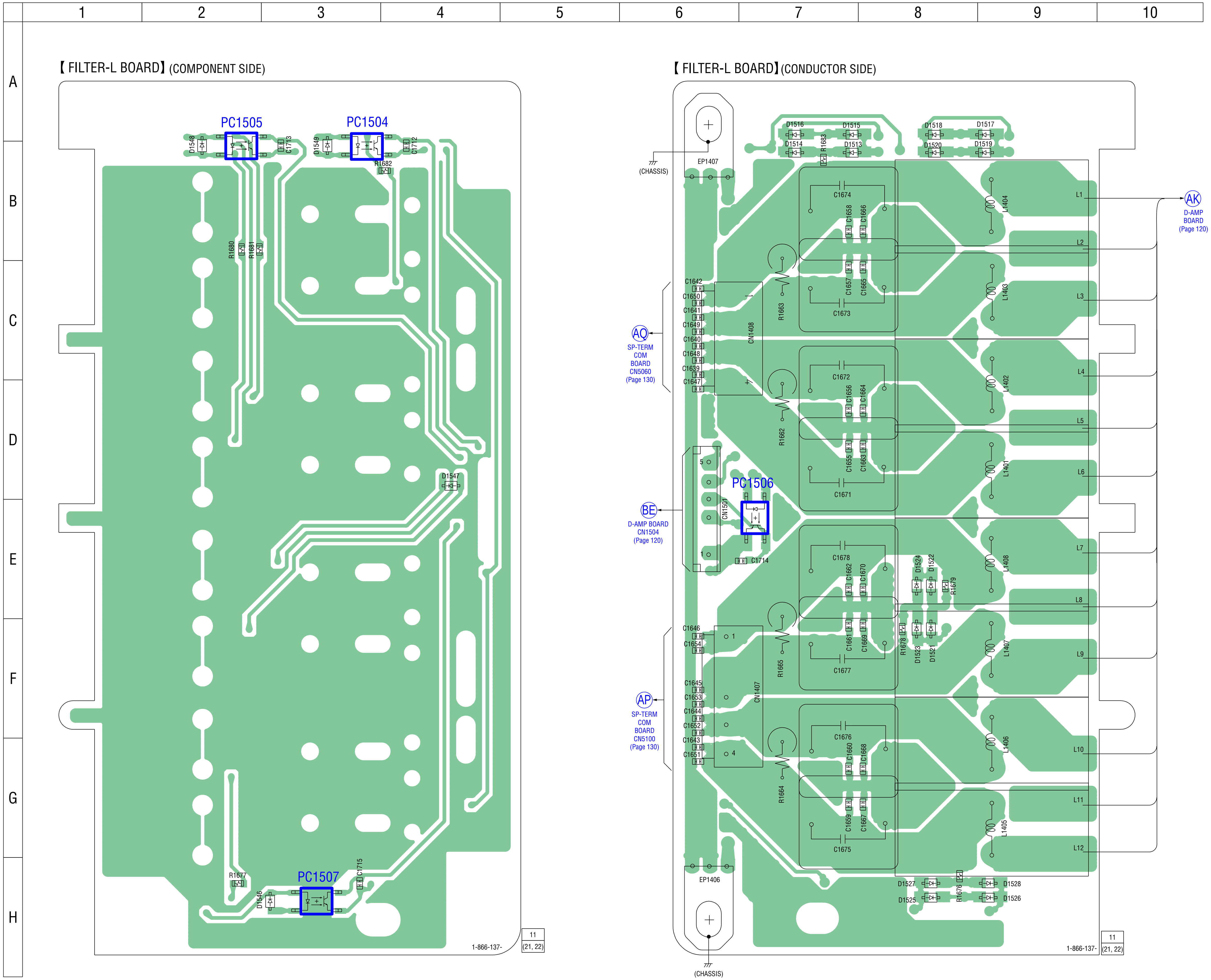
6-64. SCHEMATIC DIAGRAM – D-AMP BOARD (4/4) –

• See page 156 for IC Block Diagrams.


【D-AMP BOARD】(4/4)
IC1437 DIGITAL POWER AMP
IC1436 DIGITAL POWER AMP
IC1433 DIGITAL POWER AMP
IC1431 DIGITAL POWER AMP
IC1428 DIGITAL POWER AMP
IC1427 DIGITAL POWER AMP
IC1424 DIGITAL POWER AMP
IC1423 DIGITAL POWER AMP
IC B/D
Q1449,1452,1455,1458 TEMP DETECT
Q1445,1446 BOOSTER
Q1442,1444 BOOSTER
Q1440,1441 BOOSTER
Q1437,1439 BOOSTER
Q1435,1436 BOOSTER
Q1432,1434 BOOSTER
Q1429,1430 BOOSTER
Q1426,1428 BOOSTER
I.PROTECT
I_LIMIT
HIC GND
TEMP(HIC)
+10V
OUT-SL-A
G-SL
OUT-SL-B
G-SR
OUT-SR-A
OUT-SR-B
OUT-SBL-A
G-SBL
OUT-SBL-B
OUT-SBR-A
G-SBR
OUT-SBR-B
75 D-AMP BOARD (2/4) (Page 122)
AK FILTER-L BOARD (Page 126)
AB MOTHER COM BOARD (2/3) CN5215 (Page 117)
AL FILTER-L BOARD (Page 126)
BE FILTER-L BOARD CN1501 (Page 126)
76 D-AMP BOARD (3/4) (Page 123)
CN1406 6P
CN1504 5P
SL SR SBL SBR GND

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

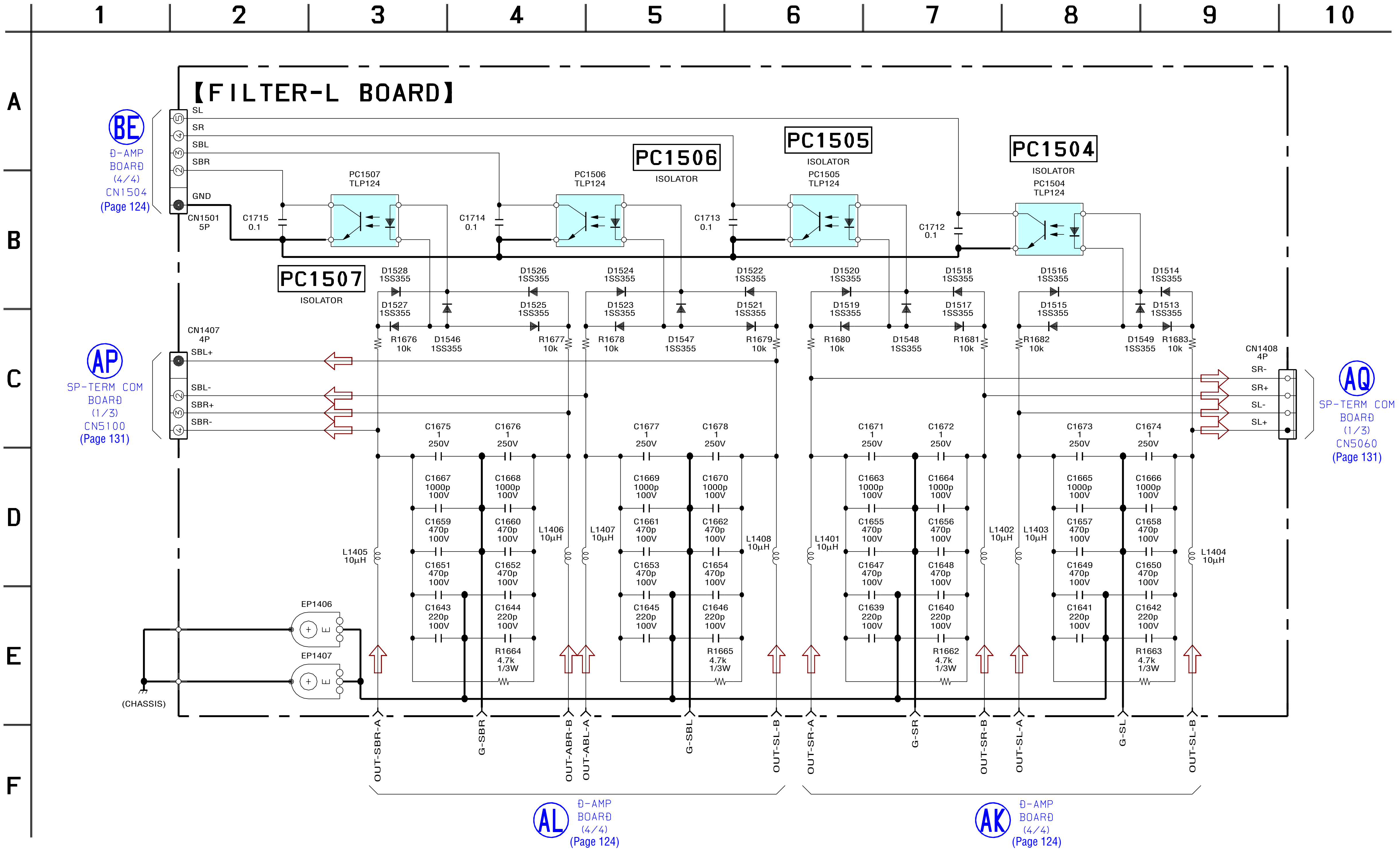
6-65. PRINTED WIRING BOARD – FILTER-L BOARDS – • See page 112 for Circuit Boards Location. : Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H
【FILTER-L BOARD】(COMPONENT SIDE)
PC1505
PC1504
PC1506
PC1507
D1548
C1713
D1549
C1712
R1682
R1680
R1681
D1547
R1677
D1546
C1715
1-866-137-
11
(21, 22)
【FILTER-L BOARD】(CONDUCTOR SIDE)
EP1407
EP1406
(CHASSIS)
D1516
D1515
D1514
D1513
R1683
D1518
D1517
D1520
D1519
C1674
C1658
C1666
C1657
C1665
C1673
C1672
C1656
C1664
C1655
C1663
C1671
C1678
C1662
C1670
C1661
C1669
C1677
C1676
C1660
C1668
C1659
C1667
C1675
R1663
R1662
R1665
R1664
L1404
L1403
L1402
L1401
L1408
L1407
L1406
L1405
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
L12
AK
D-AMP BOARD (Page 120)
C1642
C1650
C1641
C1649
C1640
C1648
C1639
C1647
CN1408
AQ
SP-TERM COM BOARD CN5060 (Page 130)
CN1501
C1714
BE
D-AMP BOARD CN1504 (Page 120)
D1524
D1522
R1679
R1678
D1523
D1521
C1646
C1654
C1645
C1653
C1644
C1652
C1643
C1651
CN1407
AP
SP-TERM COM BOARD CN5100 (Page 130)
D1527
D1528
D1525
D1526
R1676
1-866-137-
11
(21, 22)

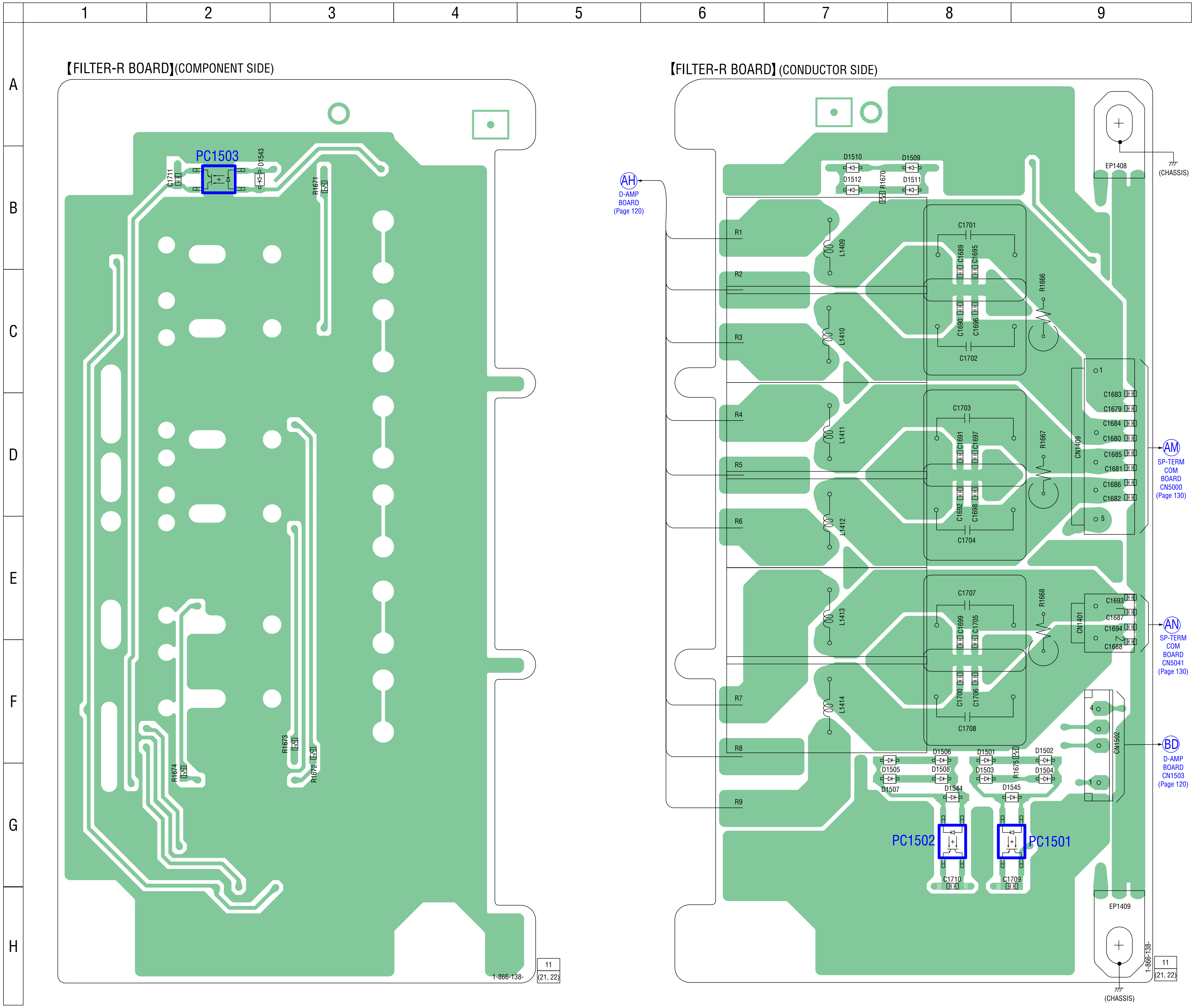
• **Semiconductor Location**

Ref. No.	Location
D1513	B-7
D1514	B-7
D1515	A-7
D1516	A-7
D1517	A-9
D1518	A-8
D1519	B-9
D1520	B-8
D1521	F-8
D1522	E-8
D1523	F-8
D1524	E-8
D1525	H-8
D1526	H-9
D1527	H-8
D1528	H-9
D1546	H-3
D1547	D-4
D1548	B-2
D1549	B-3
PC1504	B-3
PC1505	B-2
PC1506	E-7
PC1507	H-3

6-66. SCHEMATIC DIAGRAM – FILTER-L BOARD –


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
【FILTER-L BOARD】
BE
D-AMP BOARD (4/4) CN1504 (Page 124)
CN1501 5P
SL
SR
SBL
SBR
GND
C1715 0.1
C1714 0.1
C1713 0.1
C1712 0.1
PC1507 TLP124
PC1506 TLP124
PC1505 TLP124
PC1504 TLP124
PC1507 ISOLATOR
PC1506 ISOLATOR
PC1505 ISOLATOR
PC1504 ISOLATOR
D1528 1SS355
D1527 1SS355
D1526 1SS355
D1525 1SS355
D1524 1SS355
D1523 1SS355
D1522 1SS355
D1521 1SS355
D1520 1SS355
D1519 1SS355
D1518 1SS355
D1517 1SS355
D1516 1SS355
D1515 1SS355
D1514 1SS355
D1513 1SS355
D1546 1SS355
D1547 1SS355
D1548 1SS355
D1549 1SS355
R1676 10k
R1677 10k
R1678 10k
R1679 10k
R1680 10k
R1681 10k
R1682 10k
R1683 10k
AP
SP-TERM COM BOARD (1/3) CN5100 (Page 131)
CN1407 4P
SBL+
SBL-
SBR+
SBR-
AQ
SP-TERM COM BOARD (1/3) CN5060 (Page 131)
CN1408 4P
SR-
SR+
SL-
SL+
C1675 1 250V
C1676 1 250V
C1677 1 250V
C1678 1 250V
C1671 1 250V
C1672 1 250V
C1673 1 250V
C1674 1 250V
C1667 1000p 100V
C1668 1000p 100V
C1669 1000p 100V
C1670 1000p 100V
C1663 1000p 100V
C1664 1000p 100V
C1665 1000p 100V
C1666 1000p 100V
C1659 470p 100V
C1660 470p 100V
C1661 470p 100V
C1662 470p 100V
C1655 470p 100V
C1656 470p 100V
C1657 470p 100V
C1658 470p 100V
C1651 470p 100V
C1652 470p 100V
C1653 470p 100V
C1654 470p 100V
C1647 470p 100V
C1648 470p 100V
C1649 470p 100V
C1650 470p 100V
C1643 220p 100V
C1644 220p 100V
C1645 220p 100V
C1646 220p 100V
C1639 220p 100V
C1640 220p 100V
C1641 220p 100V
C1642 220p 100V
R1664 4.7k 1/3W
R1665 4.7k 1/3W
R1662 4.7k 1/3W
R1663 4.7k 1/3W
L1405 10µH
L1406 10µH
L1407 10µH
L1408 10µH
L1401 10µH
L1402 10µH
L1403 10µH
L1404 10µH
EP1406
EP1407
(CHASSIS)
OUT-SBR-A
G-SBR
OUT-ABR-B
OUT-ABL-A
G-SBL
OUT-SL-B
OUT-SR-A
G-SR
OUT-SR-B
OUT-SL-A
G-SL
OUT-SL-B
AL
D-AMP BOARD (4/4) (Page 124)
AK
D-AMP BOARD (4/4) (Page 124)

6-67. PRINTED WIRING BOARD – FILTER-R BOARDS – • See page 112 for Circuit Boards Location. : Uses unleaded solder.



【FILTER-R BOARD】(COMPONENT SIDE)

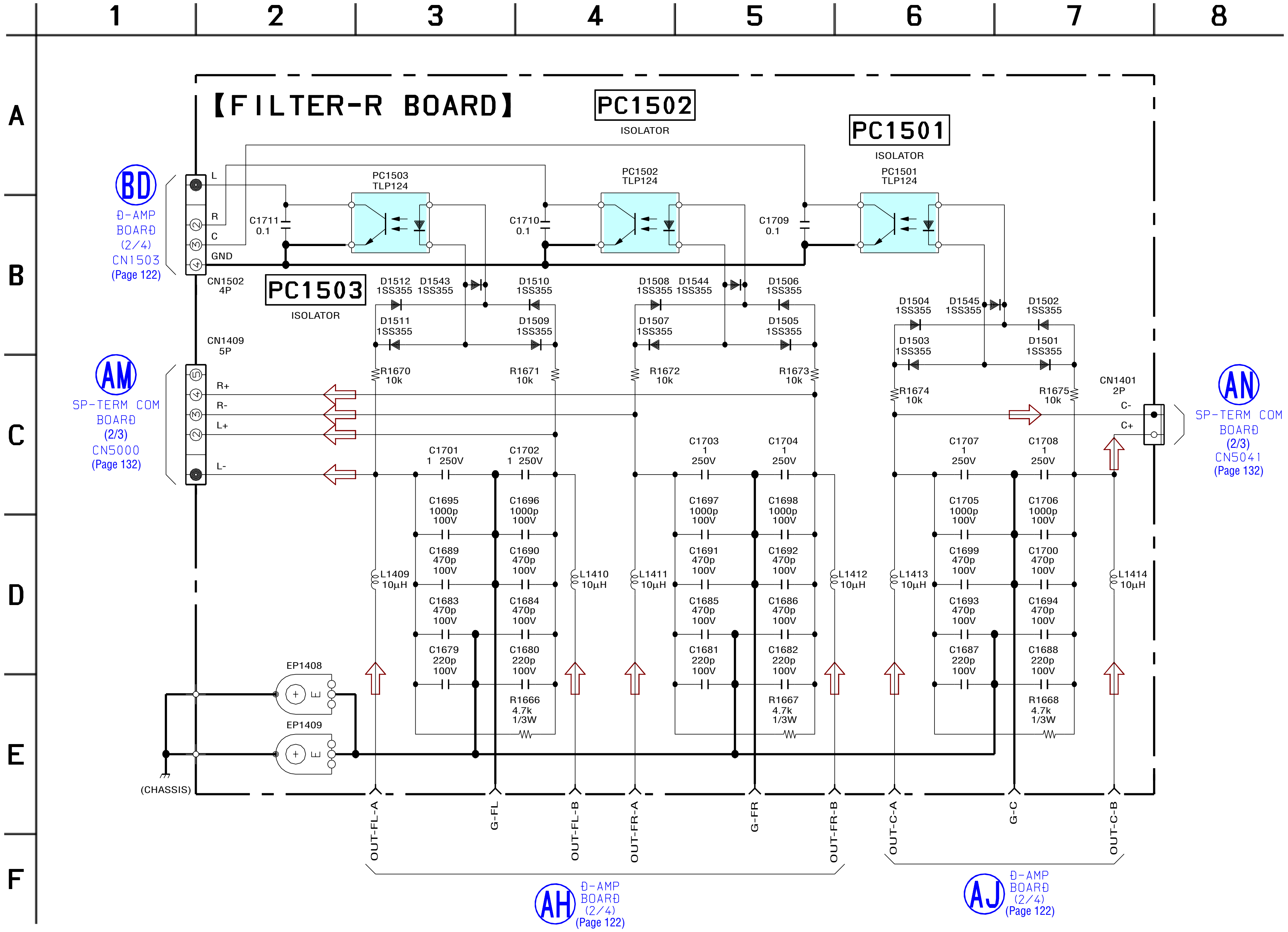
【FILTER-R BOARD】(CONDUCTOR SIDE)

1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
PC1503
C1711
D1543
R1671
R1674
R1673
R1672
1-866-138-
11
(21, 22)
D1510
D1509
D1512
D1511
R1670
EP1408
(CHASSIS)
AH
D-AMP
BOARD
(Page 120)
R1
R2
R3
R4
R5
R6
R7
R8
R9
L1409
L1410
L1411
L1412
L1413
L1414
C1701
C1689
C1695
C1690
C1696
C1702
R1666
C1703
C1691
C1697
C1692
C1698
C1704
R1667
CN1409
1
C1683
C1679
C1684
C1680
C1685
C1681
C1686
C1682
5
AM
SP-TERM
COM
BOARD
CN5000
(Page 130)
C1707
C1699
C1705
R1668
CN1401
C1693
C1687
C1694
C1688
AN
SP-TERM
COM
BOARD
CN5041
(Page 130)
C1700
C1706
C1708
4
1
CN1502
BD
D-AMP
BOARD
CN1503
(Page 120)
D1506
D1501
D1502
D1505
D1508
D1503
R1675
D1504
D1507
D1544
D1545
PC1502
PC1501
C1710
C1709
EP1409
1-866-138-
11
(21, 22)
(CHASSIS)

- **Semiconductor Location**

Ref. No.	Location
D1501	F-8
D1502	F-9
D1503	G-8
D1504	G-9
D1505	F-8
D1506	F-8
D1507	G-8
D1508	G-8
D1509	B-8
D1510	B-7
D1511	B-8
D1512	B-7
D1543	B-2
D1544	G-8
D1545	G-9
PC1501	G-9
PC1502	G-8
PC1503	B-2

6-68. SCHEMATIC DIAGRAM – FILTER-R BOARD –

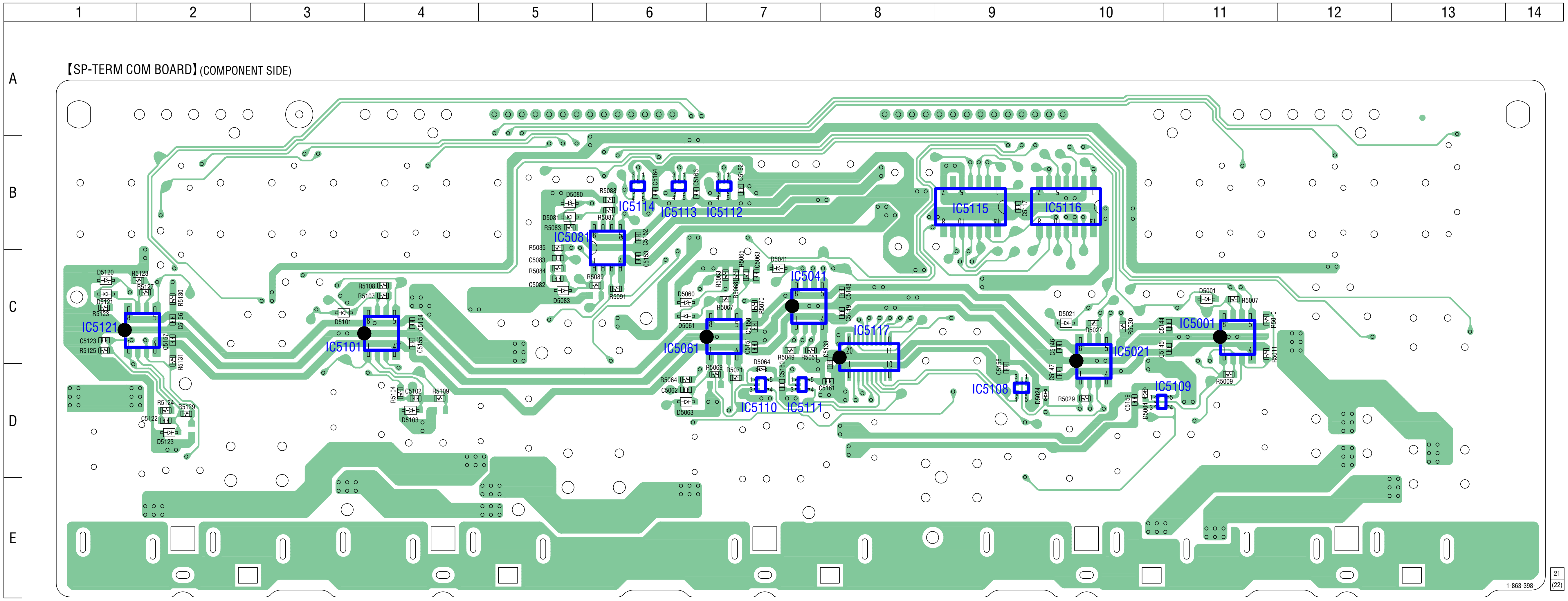


1
2
3
4
5
6
7
8
A
B
C
D
E
F
【FILTER-R BOARD】
PC1502
ISOLATOR
PC1501
ISOLATOR
PC1503
ISOLATOR
BD
D-AMP
BOARD
(2/4)
CN1503
(Page 122)
L
R
C
GND
CN1502
4P
C1711
0.1
C1710
0.1
C1709
0.1
PC1503
TLP124
PC1502
TLP124
PC1501
TLP124
D1512
1SS355
D1543
1SS355
D1510
1SS355
D1511
1SS355
D1509
1SS355
D1508
1SS355
D1544
1SS355
D1506
1SS355
D1507
1SS355
D1505
1SS355
D1504
1SS355
D1545
1SS355
D1502
1SS355
D1503
1SS355
D1501
1SS355
CN1409
5P
AM
SP-TERM COM
BOARD
(2/3)
CN5000
(Page 132)
R+
R-
L+
L-
R1670
10k
R1671
10k
R1672
10k
R1673
10k
R1674
10k
R1675
10k
CN1401
2P
C-
C+
AN
SP-TERM COM
BOARD
(2/3)
CN5041
(Page 132)
C1701
1 250V
C1702
1 250V
C1703
1
250V
C1704
1
250V
C1707
1
250V
C1708
1
250V
C1695
1000p
100V
C1696
1000p
100V
C1697
1000p
100V
C1698
1000p
100V
C1705
1000p
100V
C1706
1000p
100V
C1689
470p
100V
C1690
470p
100V
C1691
470p
100V
C1692
470p
100V
C1699
470p
100V
C1700
470p
100V
L1409
10µH
L1410
10µH
L1411
10µH
L1412
10µH
L1413
10µH
L1414
10µH
C1683
470p
100V
C1684
470p
100V
C1685
470p
100V
C1686
470p
100V
C1693
470p
100V
C1694
470p
100V
C1679
220p
100V
C1680
220p
100V
C1681
220p
100V
C1682
220p
100V
C1687
220p
100V
C1688
220p
100V
R1666
4.7k
1/3W
R1667
4.7k
1/3W
R1668
4.7k
1/3W
EP1408
EP1409
E
(CHASSIS)
OUT-FL-A
G-FL
OUT-FL-B
OUT-FR-A
G-FR
OUT-FR-B
OUT-C-A
G-C
OUT-C-B
AH
D-AMP
BOARD
(2/4)
(Page 122)
AJ
D-AMP
BOARD
(2/4)
(Page 122)

6-69. PRINTED WIRING BOARD – SP-TERM COM BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.


1
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5
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7
8
9
10
11
12
13
14
A
B
C
D
E
【SP-TERM COM BOARD】(COMPONENT SIDE)
IC5121
IC5101
IC5081
IC5114
IC5113
IC5112
IC5115
IC5116
IC5061
IC5041
IC5117
IC5110
IC5111
IC5108
IC5021
IC5001
IC5109
D5120
D5121
D5123
D5101
D5103
D5080
D5081
D5083
D5060
D5061
D5063
D5064
D5041
D5021
D5024
D5004
D5001
1-863-398-
21
(22)

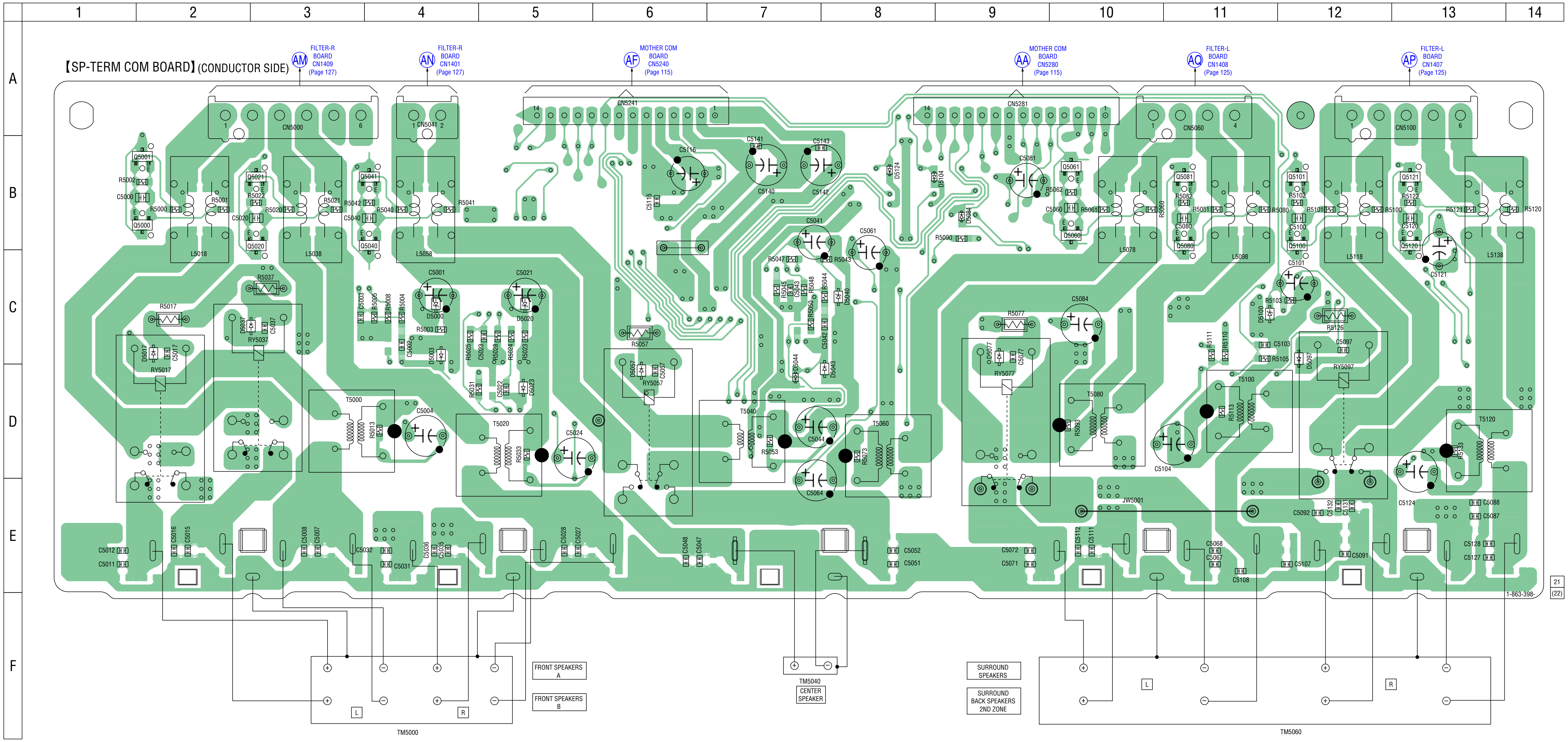
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D5001	C-11	IC5001	C-11
D5004	D-10	IC5021	C-10
D5021	C-10	IC5041	C-7
D5024	D-9	IC5061	C-7
D5041	C-7	IC5081	B-6
D5060	C-6	IC5101	C-4
D5061	C-6	IC5108	D-9
D5063	D-6	IC5109	D-10
D5064	D-7	IC5110	D-7
D5080	B-5	IC5111	D-7
D5081	B-5	IC5112	B-7
D5083	C-5	IC5113	B-6
D5101	C-3	IC5114	B-6
D5103	D-4	IC5115	B-9
D5120	C-1	IC5116	B-10
D5121	C-1	IC5117	C-8
D5123	D-2	IC5121	C-2

6-70. PRINTED WIRING BOARD – SP-TERM COM BOARD (CONDUCTOR SIDE) –

- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.


1
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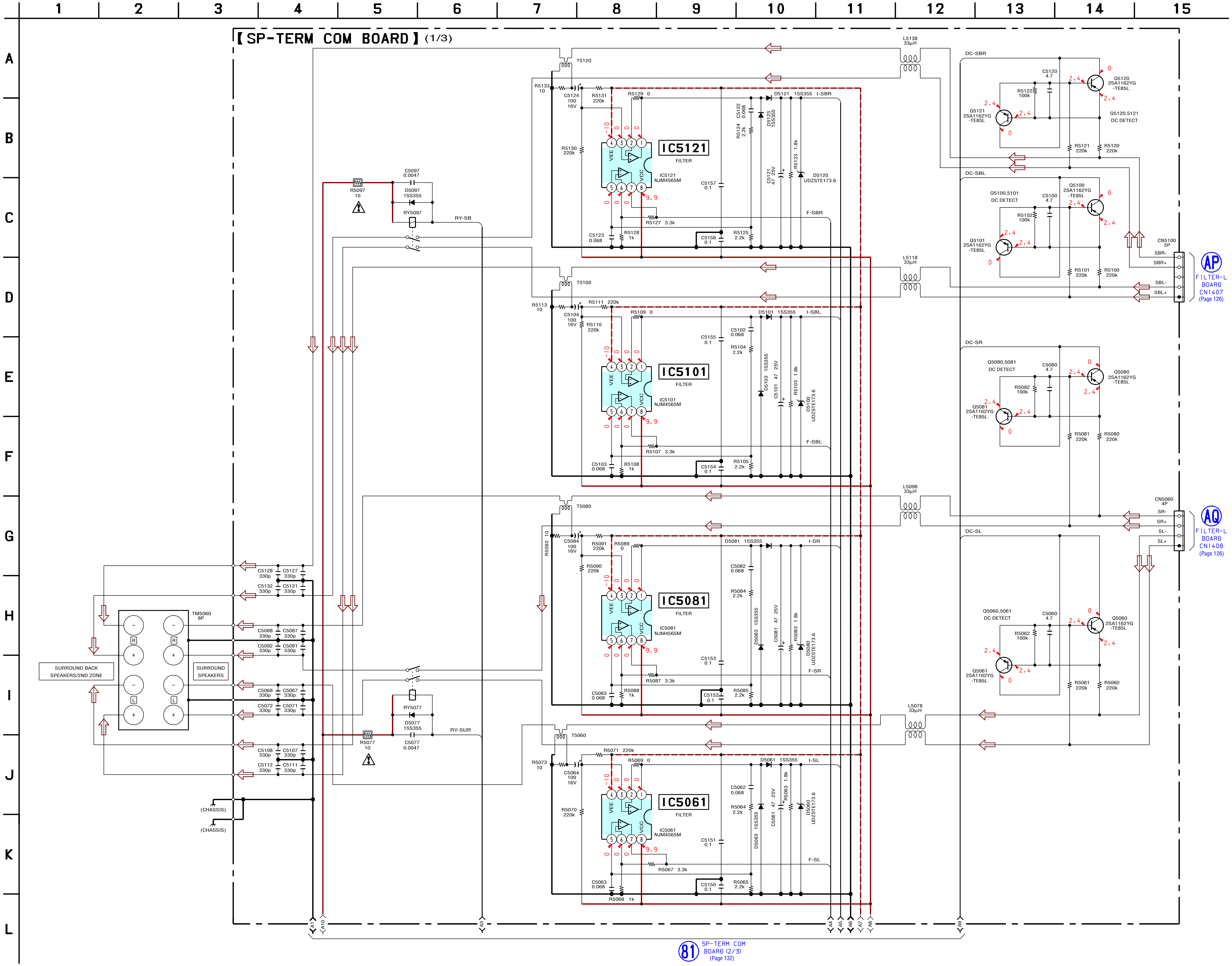
7
8
9
10
11
12
13
14
A
B
C
D
E
F
【SP-TERM COM BOARD】(CONDUCTOR SIDE)
AM FILTER-R BOARD CN1409 (Page 127)
AN FILTER-R BOARD CN1401 (Page 127)
AF MOTHER COM BOARD CN5240 (Page 115)
AA MOTHER COM BOARD CN5280 (Page 115)
AQ FILTER-L BOARD CN1408 (Page 125)
AP FILTER-L BOARD CN1407 (Page 125)
CN5000
CN5041
CN5241
CN5281
CN5060
CN5100
Q5000
Q5001
Q5020
Q5021
Q5040
Q5041
Q5060
Q5061
Q5080
Q5081
Q5100
Q5101
Q5120
Q5121
L5018
L5038
L5058
L5078
L5098
L5118
L5138
RY5017
RY5037
RY5057
RY5077
RY5097
T5000
T5020
T5040
T5060
T5080
T5100
T5120
JW5001
FRONT SPEAKERS A
FRONT SPEAKERS B
TM5000
TM5040 CENTER SPEAKER
SURROUND SPEAKERS
SURROUND BACK SPEAKERS 2ND ZONE
TM5060
L
R
1-863-398-
21
(22)

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D5000	C-4	Q5000	B-2
D5003	C-4	Q5001	B-2
D5017	C-2	Q5020	B-3
D5020	C-5	Q5021	B-3
D5023	D-5	Q5040	B-4
D5037	C-3	Q5041	B-4
D5040	C-8	Q5060	B-10
D5043	D-8	Q5061	B-10
D5044	D-7	Q5080	B-11
D5057	D-6	Q5081	B-11
D5077	C-9	Q5100	B-12
D5084	B-9	Q5101	B-12
D5097	C-12	Q5120	B-13
D5100	C-11	Q5121	B-13
D5104	B-8		
D5124	B-8		

6-71. SCHEMATIC DIAGRAM – SP-TERM COM BOARD (1/3) –


1
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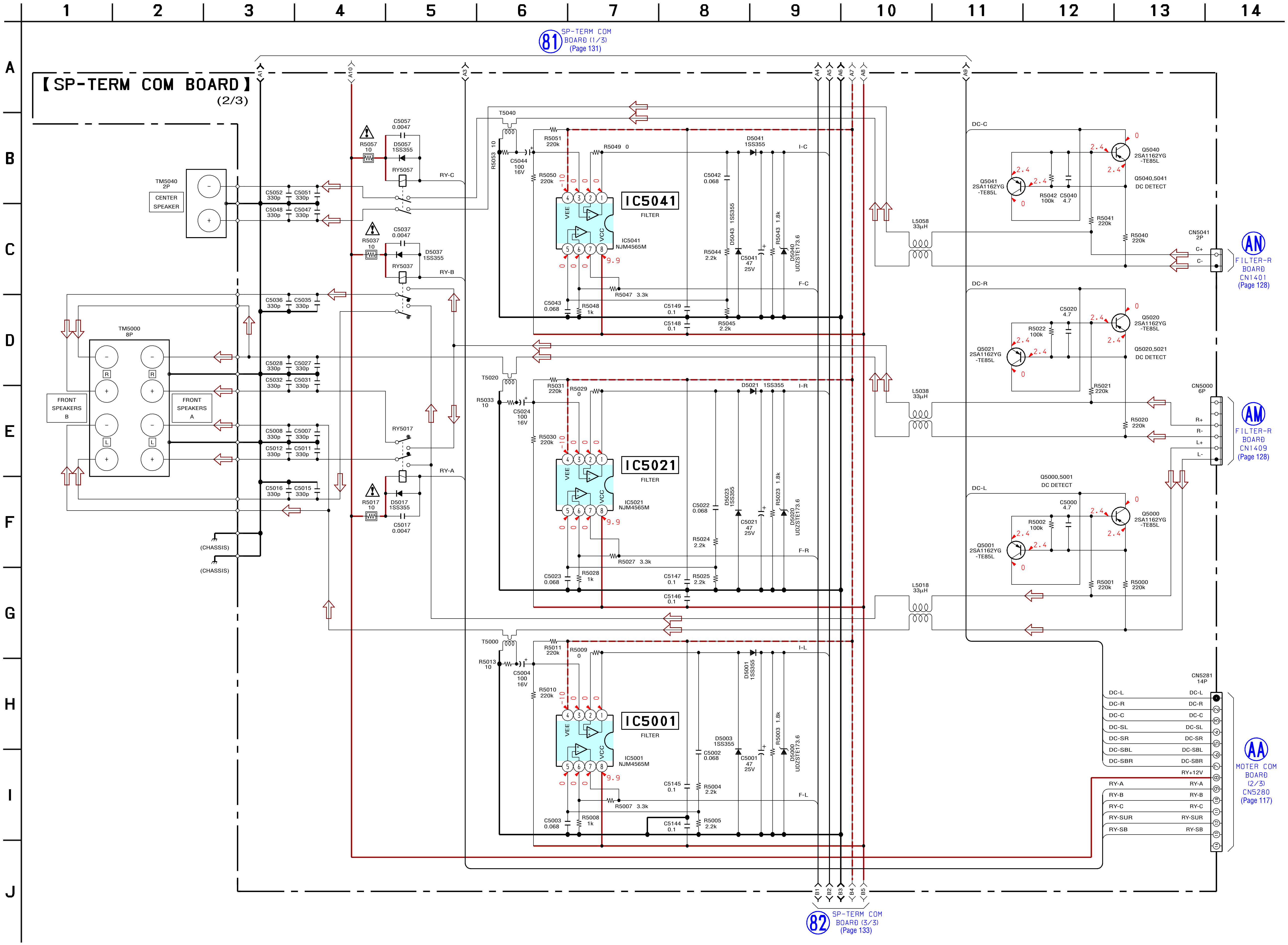
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
K
L
【SP-TERM COM BOARD】(1/3)
IC5121
FILTER
IC5121
NJM4565M
IC5101
FILTER
IC5101
NJM4565M
IC5081
FILTER
IC5081
NJM4565M
IC5061
FILTER
IC5061
NJM4565M
VEE
VCC
-10
9.9
T5120
T5100
T5080
T5060
L5138
33μH
L5118
33μH
L5098
33μH
L5078
33μH
R5133
10
R5113
10
R5093 10
R5073
10
C5124
100
16V
C5104
100
16V
C5084
100
16V
C5064
100
16V
R5131
220k
R5111 220k
R5091
220k
R5071 220k
R5129 0
R5109 0
R5089
0
R5069 0
R5130
220k
R5110
220k
R5090
220k
R5070
220k
D5121 1SS355 I-SBR
D5101 1SS355 I-SBL
D5081 1SS355 I-SR
D5061 1SS355 I-SL
C5122
0.068
C5102
0.068
C5082
0.068
C5062
0.068
R5124
2.2k
R5104
2.2k
R5084
2.2k
R5064
2.2k
D5123
1SS355
D5103 1SS355
D5083 1SS355
D5063 1SS355
C5121
47 25V
C5101 47 25V
C5081 47 25V
C5061 47 25V
R5123 1.8k
R5103 1.8k
R5083 1.8k
R5063 1.8k
D5120
UDZSTE173.6
D5100
UDZSTE173.6
D5080
UDZSTE173.6
D5060
UDZSTE173.6
C5157
0.1
C5155
0.1
C5153
0.1
C5151
0.1
F-SBR
F-SBL
F-SR
F-SL
R5127 3.3k
R5107 3.3k
R5087 3.3k
R5067 3.3k
C5123
0.068
C5103
0.068
C5083
0.068
C5063
0.068
R5128
1k
R5108
1k
R5088
1k
R5068 1k
C5156
0.1
C5154
0.1
C5152
0.1
C5150
0.1
R5125
2.2k
R5105
2.2k
R5085
2.2k
R5065
2.2k
R5097
10
C5097
0.0047
D5097
1SS355
RY5097
RY-SB
R5077
10
RY5077
D5077
1SS355
C5077
0.0047
RY-SUR
C5128
330p
C5127
330p
C5132
330p
C5131
330p
C5088
330p
C5087
330p
C5092
330p
C5091
330p
C5068
330p
C5067
330p
C5072
330p
C5071
330p
C5108
330p
C5107
330p
C5112
330p
C5111
330p
TM5060
8P
SURROUND BACK
SPEAKERS/2ND ZONE
SURROUND
SPEAKERS
R
L
(CHASSIS)
(CHASSIS)
DC-SBR
C5120
4.7
Q5120
2SA1162YG
-TE85L
R5122
100k
Q5121
2SA1162YG
-TE85L
Q5120,5121
DC DETECT
R5121
220k
R5120
220k
DC-SBL
Q5100,5101
DC DETECT
C5100
4.7
Q5100
2SA1162YG
-TE85L
R5102
100k
Q5101
2SA1162YG
-TE85L
R5101
220k
R5100
220k
DC-SR
Q5080,5081
DC DETECT
C5080
4.7
Q5080
2SA1162YG
-TE85L
R5082
100k
Q5081
2SA1162YG
-TE85L
R5081
220k
R5080
220k
DC-SL
Q5060,5061
DC DETECT
C5060
4.7
Q5060
2SA1162YG
-TE85L
R5062
100k
Q5061
2SA1162YG
-TE85L
R5061
220k
R5060
220k
2.4
0
CN5100
5P
SBR-
SBR+
SBL-
SBL+
AP
FILTER-L
BOARD
CN1407
(Page 126)
CN5060
4P
SR-
SR+
SL-
SL+
AQ
FILTER-L
BOARD
CN1408
(Page 126)
A1
A10
A3
A4
A5
A6
A7
A8
A9
81
SP-TERM COM
BOARD (2/3)
(Page 132)

6-72. SCHEMATIC DIAGRAM – SP-TERM COM BOARD (2/3) –


1
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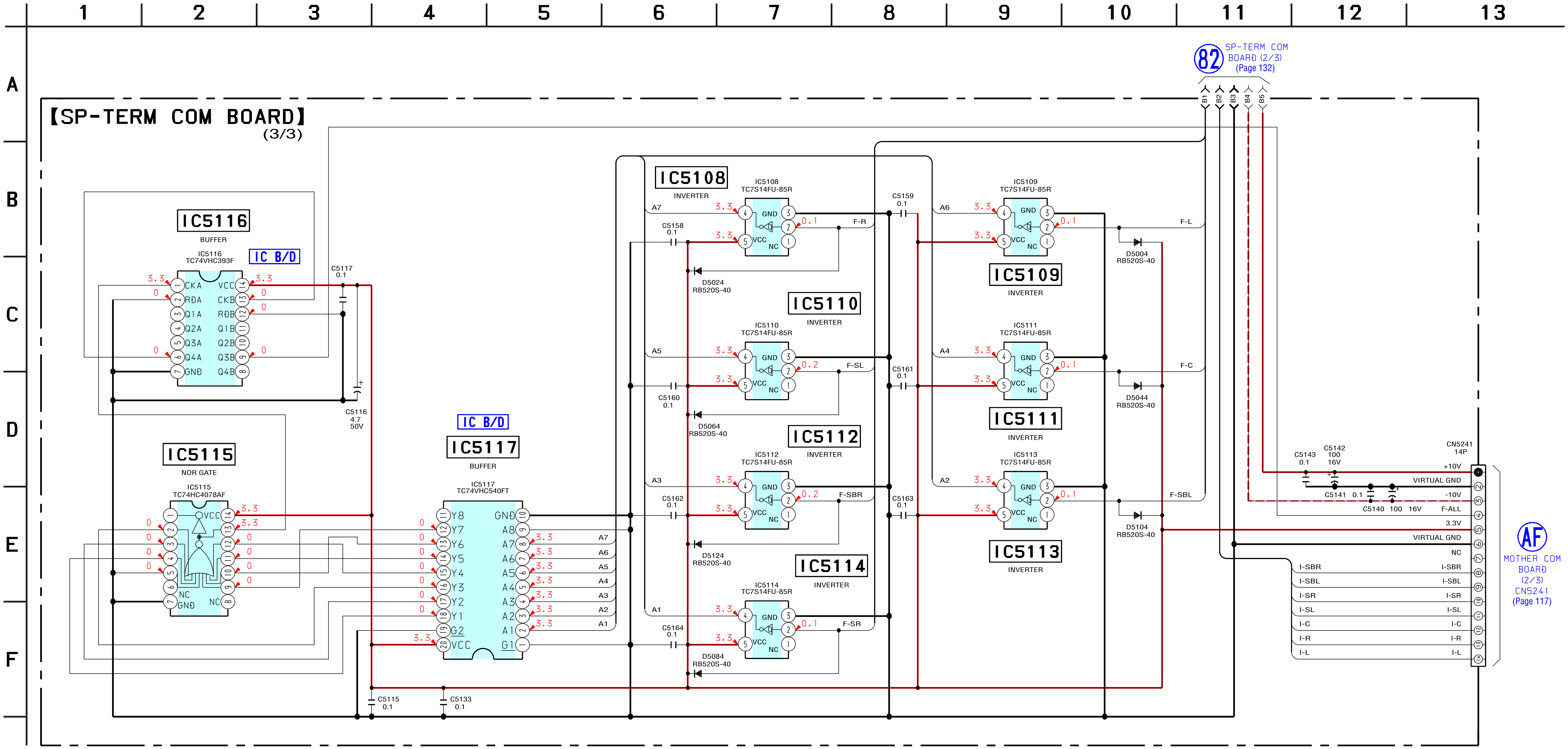
11
12
13
14
A
B
C
D
E
F
G
H
I
J
【SP-TERM COM BOARD】
(2/3)
81
SP-TERM COM BOARD (1/3)
(Page 131)
82
SP-TERM COM BOARD (3/3)
(Page 133)
AN
FILTER-R BOARD CN1401
(Page 128)
AM
FILTER-R BOARD CN1409
(Page 128)
AA
MOTER COM BOARD (2/3) CN5280
(Page 117)
TM5040 2P
CENTER SPEAKER
TM5000 8P
FRONT SPEAKERS B
FRONT SPEAKERS A
(CHASSIS)
C5052 330p
C5051 330p
C5048 330p
C5047 330p
C5036 330p
C5035 330p
C5028 330p
C5027 330p
C5032 330p
C5031 330p
C5008 330p
C5007 330p
C5012 330p
C5011 330p
C5016 330p
C5015 330p
R5057 10
C5057 0.0047
D5057 1SS355
RY5057
RY-C
R5037 10
C5037 0.0047
D5037 1SS355
RY5037
RY-B
RY5017
R5017 10
D5017 1SS355
C5017 0.0047
RY-A
T5040
T5020
T5000
R5053 10
C5044 100 16V
R5051 220k
R5049 0
R5050 220k
IC5041
FILTER
IC5041 NJM4565M
VEE
VCC
9.9
-10
D5041 1SS355
I-C
C5042 0.068
D5043 1SS355
R5043 1.8k
R5044 2.2k
C5041 47 25V
D5040 UDZSTE173.6
F-C
R5047 3.3k
C5043 0.068
R5048 1k
C5149 0.1
C5148 0.1
R5045 2.2k
R5033 10
C5024 100 16V
R5031 220k
R5029 0
R5030 220k
IC5021
IC5021 NJM4565M
D5021 1SS355
I-R
C5022 0.068
D5023 1SS355
R5023 1.8k
R5024 2.2k
C5021 47 25V
D5020 UDZSTE173.6
F-R
R5027 3.3k
C5023 0.068
R5028 1k
C5147 0.1
R5025 2.2k
C5146 0.1
R5013 10
C5004 100 16V
R5011 220k
R5009 0
R5010 220k
IC5001
IC5001 NJM4565M
D5001 1SS355
I-L
D5003 1SS355
C5002 0.068
R5003 1.8k
C5001 47 25V
D5000 UDZSTE173.6
C5145 0.1
R5004 2.2k
F-L
R5007 3.3k
C5003 0.068
R5008 1k
C5144 0.1
R5005 2.2k
L5058 33μH
L5038 33μH
L5018 33μH
DC-C
Q5040 2SA1162YG -TE85L
Q5041 2SA1162YG -TE85L
Q5040,5041 DC DETECT
R5042 100k
C5040 4.7
R5041 220k
R5040 220k
CN5041 2P
C+
C-
DC-R
C5020 4.7
R5022 100k
Q5020 2SA1162YG -TE85L
Q5021 2SA1162YG -TE85L
Q5020,5021 DC DETECT
R5021 220k
R5020 220k
CN5000 6P
R+
R-
L+
L-
DC-L
Q5000,5001 DC DETECT
C5000 4.7
R5002 100k
Q5000 2SA1162YG -TE85L
Q5001 2SA1162YG -TE85L
R5001 220k
R5000 220k
0
2.4
CN5281 14P
DC-L
DC-R
DC-C
DC-SL
DC-SR
DC-SBL
DC-SBR
RY+12V
RY-A
RY-B
RY-C
RY-SUR
RY-SB
A1
A10
A3
A4
A5
A6
A7
A8
A9
B1
B2
B3
B4
B5

6-73. SCHEMATIC DIAGRAM – SP-TERM COM BOARD (3/3) –

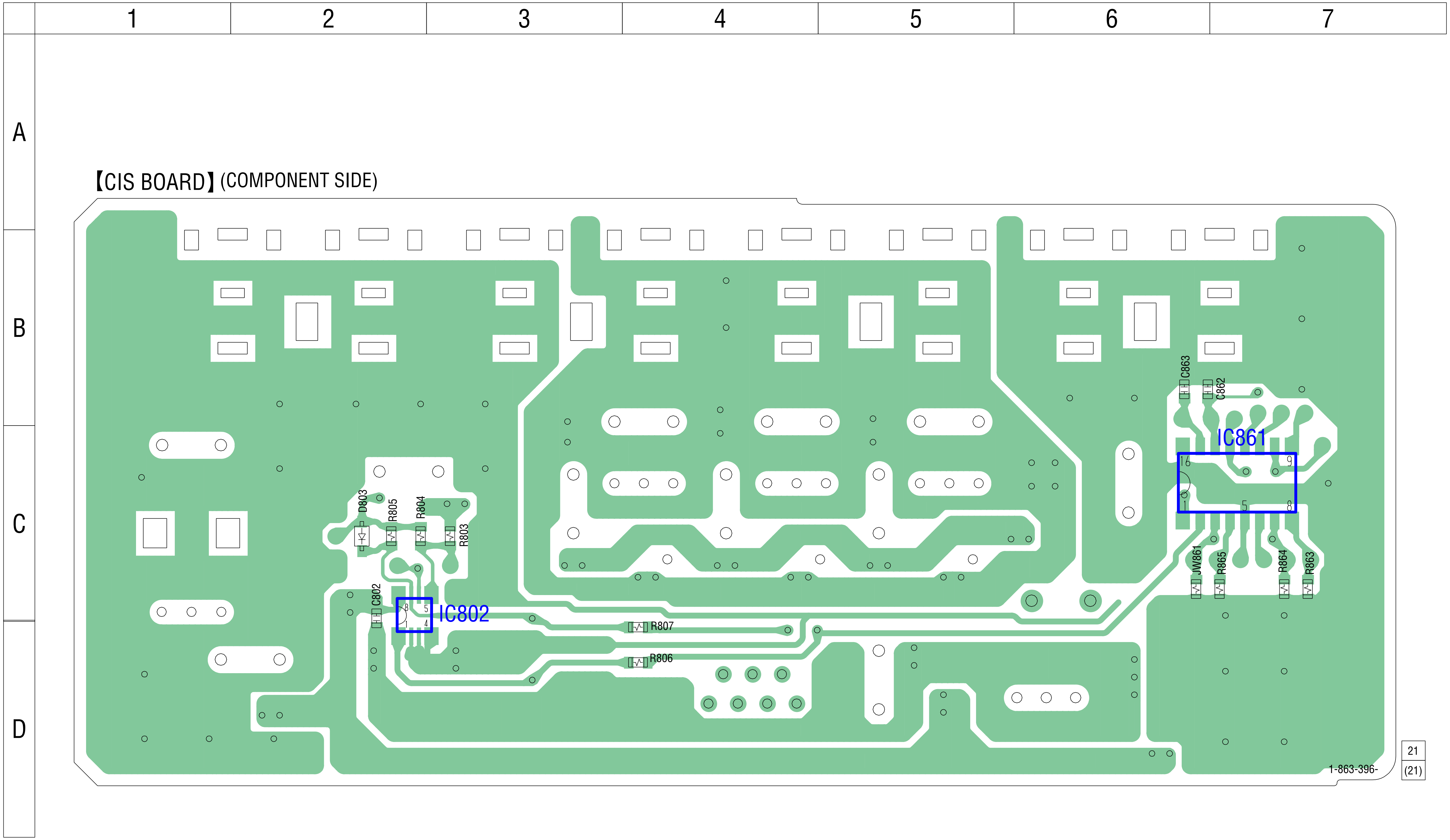
• See page 164 for IC Block Diagrams.


【SP-TERM COM BOARD】
(3/3)
82 SP-TERM COM BOARD (2/3) (Page 132)
B1 B2 B3 B4 B5
IC5116 BUFFER IC5116 TC74VHC393F
IC B/D
CKA RDA Q1A Q2A Q3A Q4A GND VCC CKB RDB Q1B Q2B Q3B Q4B
C5117 0.1
C5116 4.7 50V
IC5115 NOR GATE IC5115 TC74HC4078AF
VCC NC GND NC
IC B/D
IC5117 BUFFER IC5117 TC74VHC540FT
Y8 Y7 Y6 Y5 Y4 Y3 Y2 Y1 G2 VCC GND A8 A7 A6 A5 A4 A3 A2 A1 G1
A7 A6 A5 A4 A3 A2 A1
C5115 0.1
C5133 0.1
IC5108 INVERTER IC5108 TC7S14FU-85R
IC5109 INVERTER IC5109 TC7S14FU-85R
IC5110 INVERTER IC5110 TC7S14FU-85R
IC5111 INVERTER IC5111 TC7S14FU-85R
IC5112 INVERTER IC5112 TC7S14FU-85R
IC5113 INVERTER IC5113 TC7S14FU-85R
IC5114 INVERTER IC5114 TC7S14FU-85R
GND VCC NC
C5158 0.1
C5159 0.1
C5160 0.1
C5161 0.1
C5162 0.1
C5163 0.1
C5164 0.1
D5024 RB520S-40
D5064 RB520S-40
D5124 RB520S-40
D5084 RB520S-40
D5004 RB520S-40
D5044 RB520S-40
D5104 RB520S-40
F-R F-SL F-SBR F-SR F-L F-C F-SBL
C5143 0.1
C5142 100 16V
C5141 0.1
C5140 100 16V
CN5241 14P
+10V
VIRTUAL GND
-10V
F-ALL
3.3V
VIRTUAL GND
NC
I-SBR I-SBL I-SR I-SL I-C I-R I-L
AF MOTHER COM BOARD (2/3) CN5241 (Page 117)

6-74. PRINTED WIRING BOARD – CIS BOARD (COMPONENT SIDE) –

- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.


1
2
3
4
5
6
7
A
B
C
D
【CIS BOARD】(COMPONENT SIDE)
D803
R805
R804
R803
C802
IC802
R807
R806
C863
C862
IC861
JW861
R865
R864
R863
21
(21)
1-863-396-

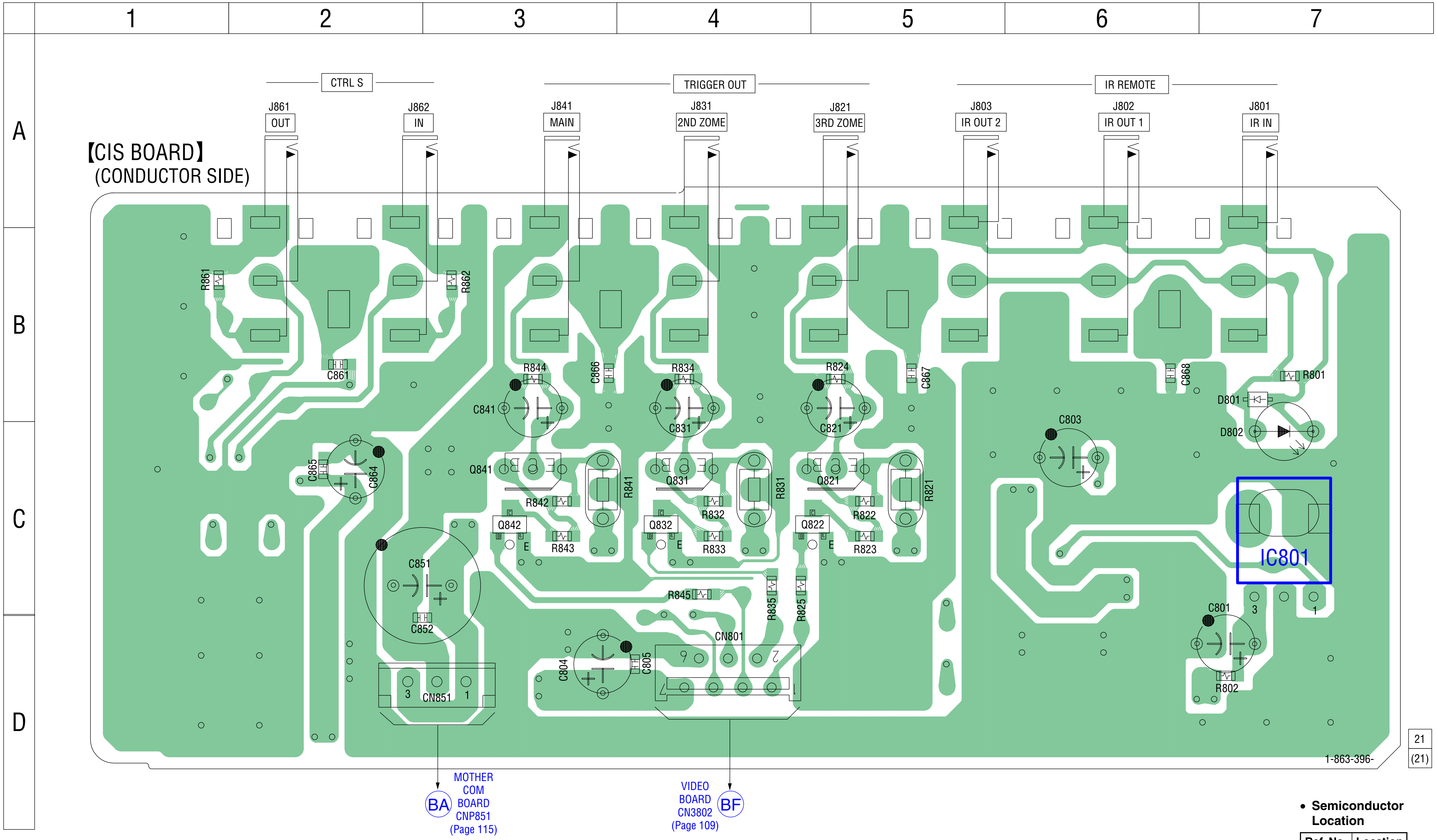
- **Semiconductor Location**

Ref. No.	Location
D803	C-2
IC802	C-2
IC861	C-7

6-75. PRINTED WIRING BOARD – CIS BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

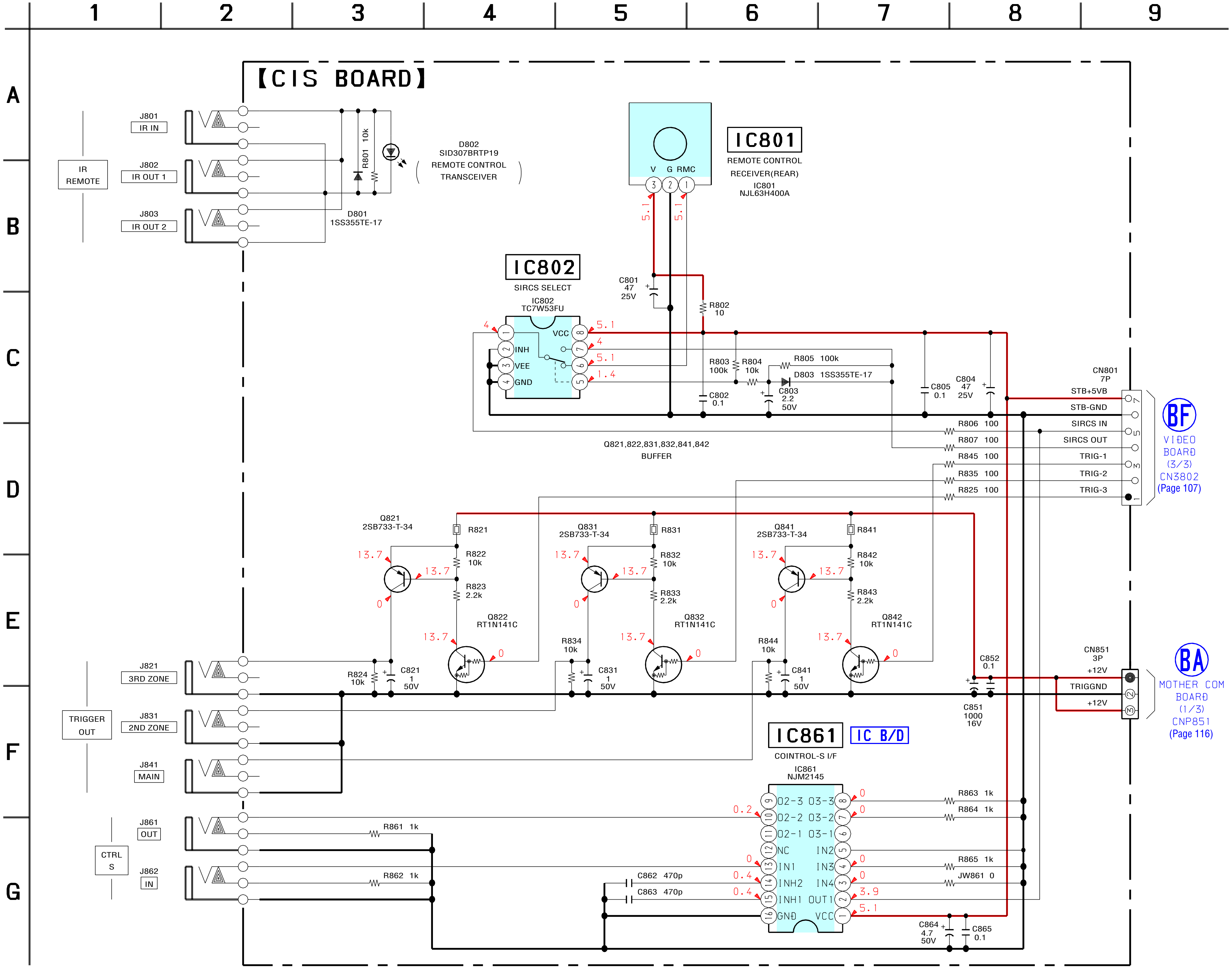

1
2
3
4
5
6
7
A
B
C
D
CTRL S
TRIGGER OUT
IR REMOTE
J861
OUT
J862
IN
J841
MAIN
J831
2ND ZOME
J821
3RD ZOME
J803
IR OUT 2
J802
IR OUT 1
J801
IR IN
【CIS BOARD】
(CONDUCTOR SIDE)
R861
R862
C861
C865
C864
C851
C852
CN851
3
1
R844
C841
C866
Q841
R841
R842
Q842
R843
R834
C831
Q831
R831
R832
Q832
R833
R824
C821
Q821
R821
R822
Q822
R823
C867
C868
R845
R835
R825
CN801
C804
C805
C803
R801
D801
D802
IC801
C801
R802
1-863-396-
21
(21)
MOTHER
COM
BOARD
CNP851
(Page 115)
BA
VIDEO
BOARD
CN3802
(Page 109)
BF

• **Semiconductor Location**

Ref. No.	Location
D801	B-7
D802	C-7
IC801	C-7
Q821	C-5
Q822	C-5
Q831	C-4
Q832	C-4
Q841	C-3
Q842	C-3

6-76. SCHEMATIC DIAGRAM – CIS BOARD –

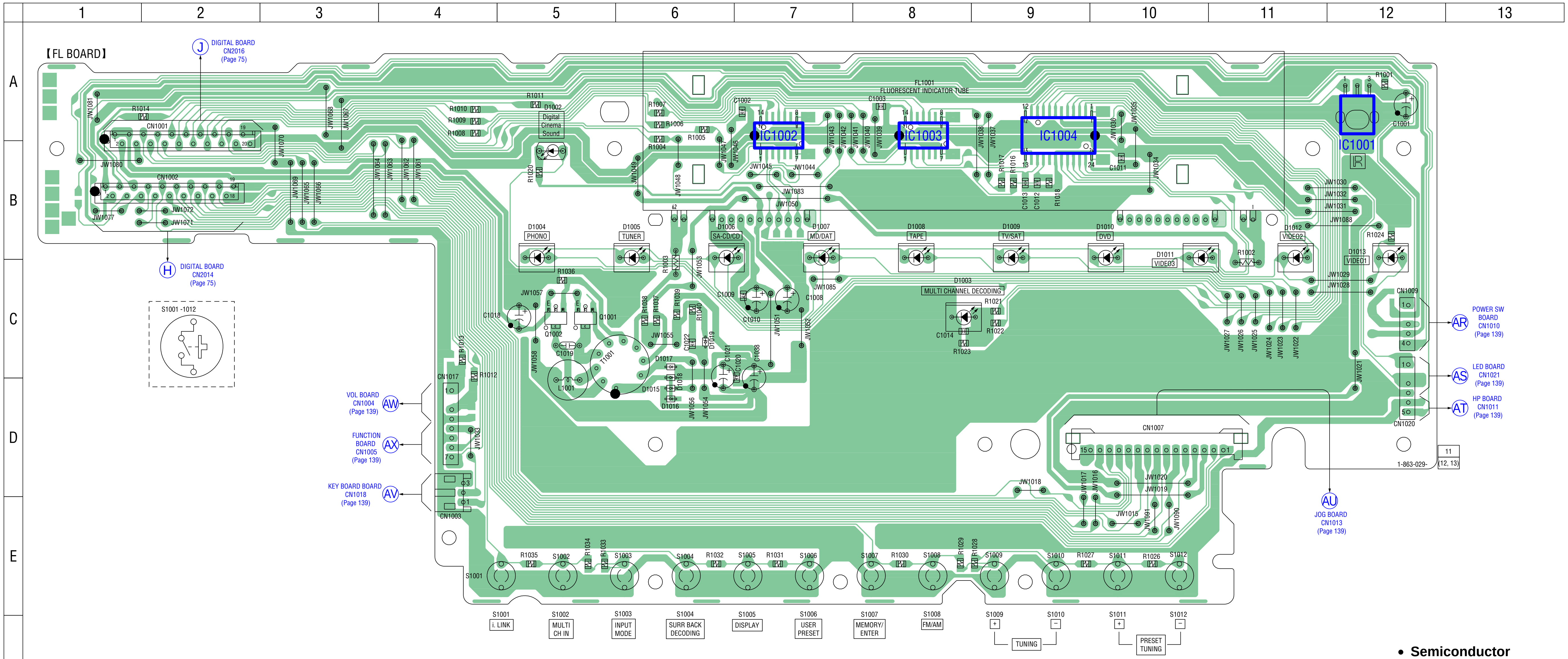
• See page 162 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
【CIS BOARD】
IR REMOTE
J801 IR IN
J802 IR OUT 1
J803 IR OUT 2
R801 10k
D801 1SS355TE-17
D802 SID307BRTP19 REMOTE CONTROL TRANSCEIVER
IC801
REMOTE CONTROL RECEIVER(REAR)
IC801 NJL63H400A
V G RMC
5.1
5.1
C801 47 25V
R802 10
IC802
SIRCS SELECT
IC802 TC7W53FU
VCC
INH
VEE
GND
4
5.1
4
5.1
1.4
R803 100k
R804 10k
R805 100k
D803 1SS355TE-17
C802 0.1
C803 2.2 50V
C805 0.1
C804 47 25V
CN801 7P
STB+5VB
STB-GND
SIRCS IN
SIRCS OUT
TRIG-1
TRIG-2
TRIG-3
R806 100
R807 100
R845 100
R835 100
R825 100
BF
VIDEO BOARD (3/3) CN3802 (Page 107)
Q821,822,831,832,841,842 BUFFER
Q821 2SB733-T-34
Q831 2SB733-T-34
Q841 2SB733-T-34
R821
R831
R841
R822 10k
R832 10k
R842 10k
R823 2.2k
R833 2.2k
R843 2.2k
Q822 RT1N141C
Q832 RT1N141C
Q842 RT1N141C
13.7
0
R824 10k
R834 10k
R844 10k
C821 1 50V
C831 1 50V
C841 1 50V
C852 0.1
C851 1000 16V
CN851 3P
+12V
TRIGGND
+12V
BA
MOTHER COM BOARD (1/3) CNP851 (Page 116)
TRIGGER OUT
J821 3RD ZONE
J831 2ND ZONE
J841 MAIN
IC861
IC B/D
COINTROL-S I/F
IC861 NJM2145
O2-3 O3-3
O2-2 O3-2
O2-1 O3-1
NC IN2
IN1 IN3
INH2 IN4
INH1 OUT1
GND VCC
0.2
0.4
0.4
3.9
5.1
R863 1k
R864 1k
R865 1k
JW861 0
C862 470p
C863 470p
C864 4.7 50V
C865 0.1
CTRL S
J861 OUT
J862 IN
R861 1k
R862 1k

6-77. PRINTED WIRING BOARD – FL BOARD –

- See page 112 for Circuit Boards Location.

: Uses unleaded solder.

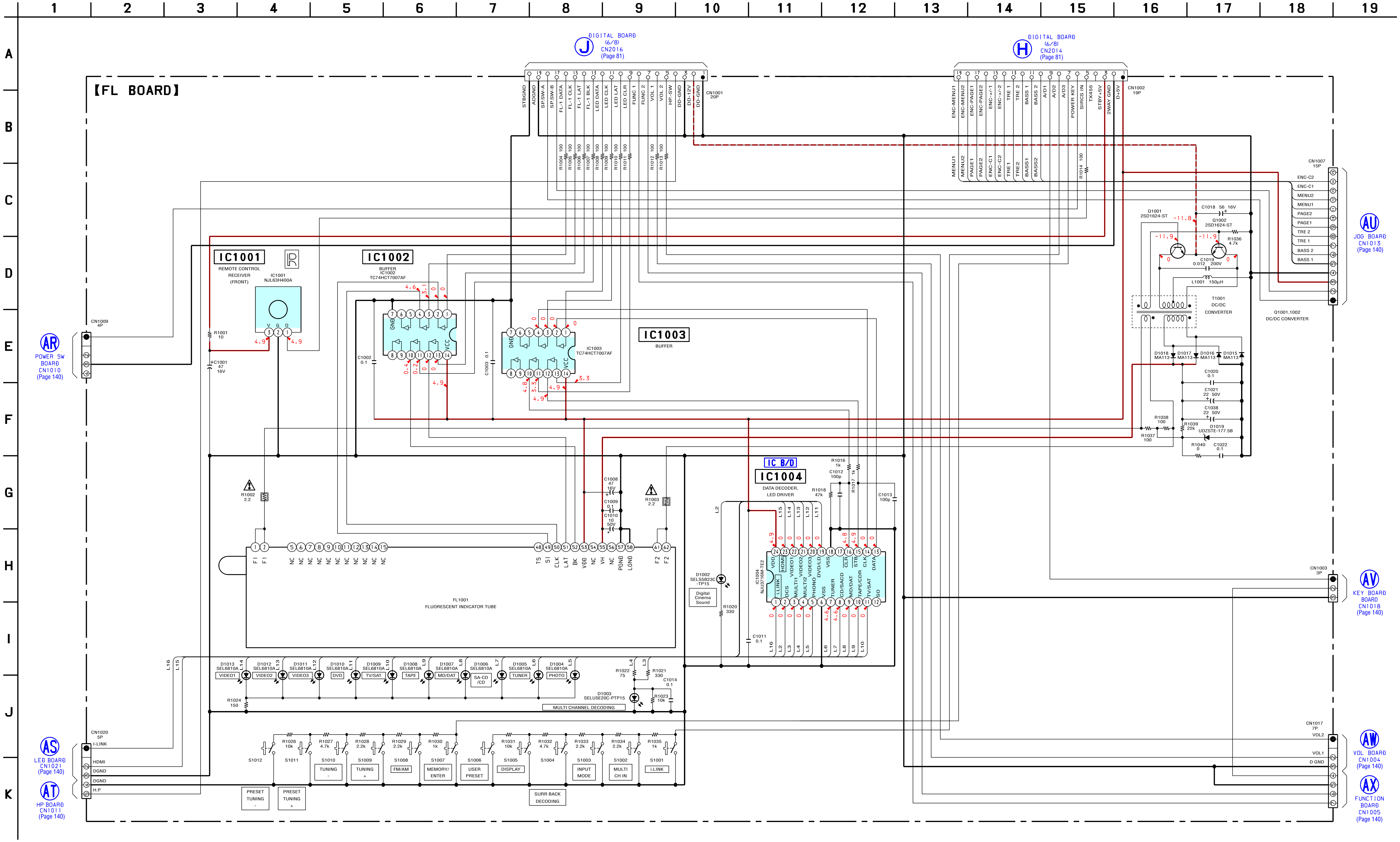

1
2
3
4
5
6
7
8
9
10
11
12
13
A
B
C
D
E
F
【FL BOARD】
J DIGITAL BOARD CN2016 (Page 75)
H DIGITAL BOARD CN2014 (Page 75)
S1001 -1012
FL1001 FLUORESCENT INDICATOR TUBE
IC1001
IC1002
IC1003
IC1004
CN1001
CN1002
CN1003
CN1007
CN1009
CN1017
CN1020
D1002 Digital Cinema Sound
D1004 PHONO
D1005 TUNER
D1006 SA-CD/CD
D1007 MD/DAT
D1008 TAPE
D1009 TV/SAT
D1010 DVD
D1011 VIDEO3
D1012 VIDEO2
D1013 VIDEO1
D1003 MULTI CHANNEL DECODING
Q1001
Q1002
T1001
L1001
AR POWER SW BOARD CN1010 (Page 139)
AS LED BOARD CN1021 (Page 139)
AT HP BOARD CN1011 (Page 139)
AU JOG BOARD CN1013 (Page 139)
AW VOL BOARD CN1004 (Page 139)
AX FUNCTION BOARD CN1005 (Page 139)
AV KEY BOARD BOARD CN1018 (Page 139)
1-863-029-11 (12, 13)
S1001 i. LINK
S1002 MULTI CH IN
S1003 INPUT MODE
S1004 SURR BACK DECODING
S1005 DISPLAY
S1006 USER PRESET
S1007 MEMORY/ ENTER
S1008 FM/AM
S1009 +
S1010 –
TUNING
S1011 +
S1012 –
PRESET TUNING

- **Semiconductor Location**

Ref. No.	Location
D1002	B-5
D1003	C-8
D1004	B-5
D1005	B-6
D1006	B-6
D1007	B-7
D1008	B-8
D1009	B-9
D1010	B-10
D1011	B-10
D1012	B-11
D1013	B-12
D1015	D-6
D1016	D-6
D1017	C-6
D1018	D-6
D1019	C-6
IC1001	A-12
IC1002	A-7
IC1003	A-8
IC1004	A-9
Q1001	C-5
Q1002	C-5

6-78. SCHEMATIC DIAGRAM – FL BOARD –

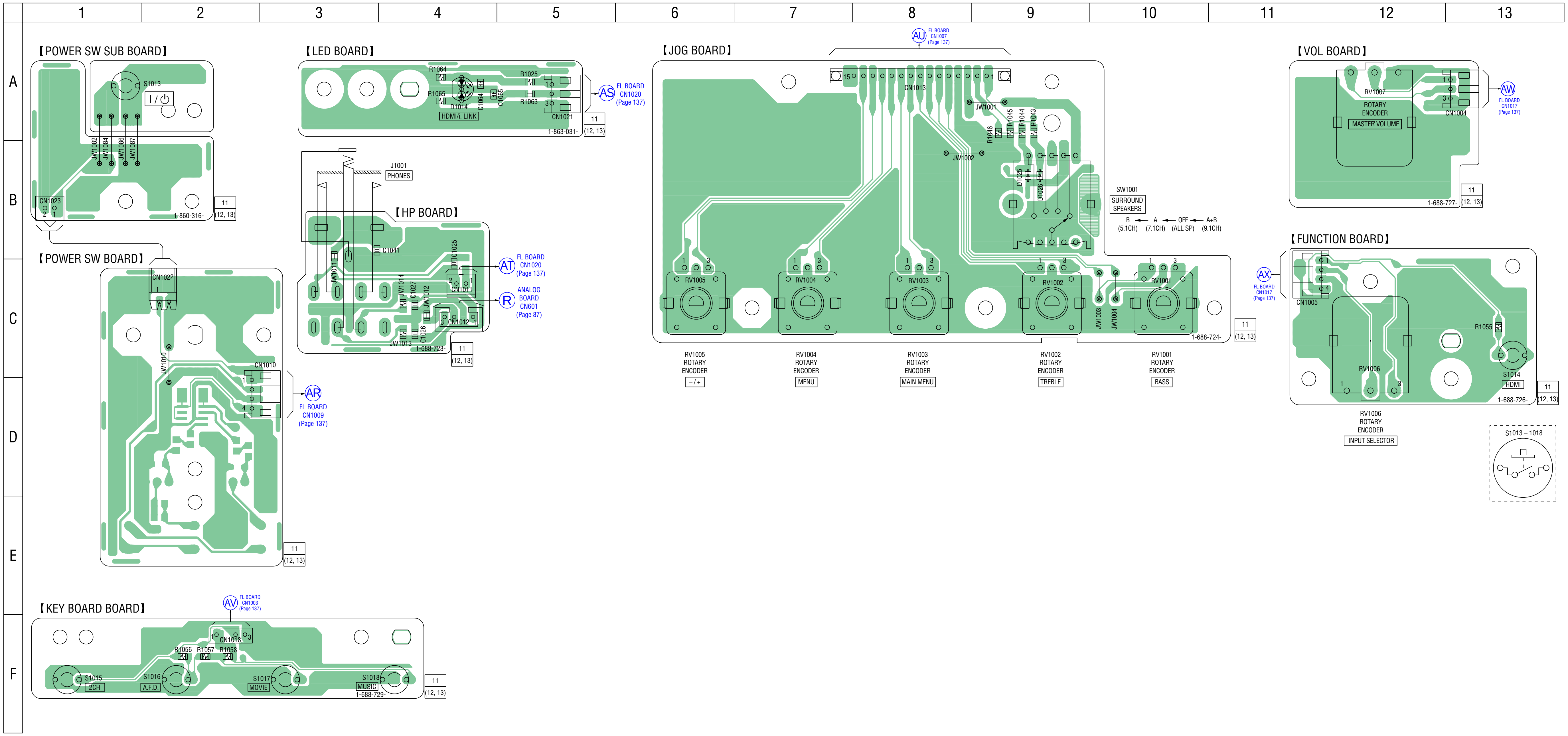
• See page 163 for IC Block Diagrams.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
A B C D E F G H I J K
【FL BOARD】
DIGITAL BOARD (6/8) CN2016 (Page 81)
DIGITAL BOARD (6/8) CN2014 (Page 81)
CN1001 20P
CN1002 19P
STBGND
ADGND
SPSW-A
SPSW-B
FL-1 DATA
FL-1 CLK
FL-1 LAT
FL-1 BLK
LED DATA
LED CLK
LED LAT
LED CLR
FUNC 1
FUNC 2
VOL 1
VOL 2
HP-SW
DD-GND
DD-12V
DD-GND
ENC-MENU1
ENC-MENU2
ENC-PAGE1
ENC-PAGE2
ENC-+/-1
ENC-+/-2
TRE 1
TRE 2
BASS 1
BASS 2
A/D1
A/D2
A/D3
POWER KEY
SIRCS IN
TX455
STBY+5V
2WAY GND
D+5V
IC1001
REMOTE CONTROL RECEIVER (FRONT)
IC1001 NJL63H400A
IC1002
BUFFER IC1002 TC74HCT7007AF
IC1003
IC1003 TC74HCT7007AF
BUFFER
IC B/D
IC1004
DATA DECODER, LED DRIVER
IC1004 NJU3716A-TE2
Q1001 2SD1624-ST
Q1002 2SD1624-ST
T1001 DC/DC CONVERTER
Q1001,1002 DC/DC CONVERTER
L1001 150μH
C1018 56 16V
C1019 0.012 200V
R1036 4.7k
D1018 MA113
D1017 MA113
D1016 MA113
D1015 MA113
C1020 0.1
C1021 22 50V
C1038 22 50V
R1038 100
R1039 22k
R1037 100
D1019 UDZSTE-17 7.5B
R1040 0
C1022 0.1
CN1007 15P
ENC-C2
ENC-C1
MENU2
MENU1
PAGE2
PAGE1
TRE 2
TRE 1
BASS 2
BASS 1
AU JOG BOARD CN1013 (Page 140)
AR POWER SW BOARD CN1010 (Page 140)
CN1009 4P
R1001 10
C1001 47 16V
C1002 0.1
C1003 0.1
R1002 2.2
R1003 2.2
C1008 47 16V
C1009 0.1
C1010 10 50V
FL1001 FLUORESCENT INDICATOR TUBE
F1 F1 NC TS SI CLK LAT BK VDD NC VH NC PGND LGND F2 F2
R1016 1k
C1012 100p
R1017 1k
R1018 47k
C1013 100p
D1002 SEL5B23C -TP15
Digital Cinema Sound
R1020 330
C1011 0.1
VDD VIDEO4 VIDEO1 VIDEO2 VIDEO3 DVD/LD VSS CLR STB CLK DATA
i.LINK DCS MULTI1 MULTI2 PHONO VSS TUNER CD/SACD MD/DAT TAPE/CDR TV/SAT SO
CN1003 3P
AV KEY BOARD CN1018 (Page 140)
D1013 SEL6810A VIDEO1
D1012 SEL6810A VIDEO2
D1011 SEL6810A VIDEO3
D1010 SEL6810A DVD
D1009 SEL6810A TV/SAT
D1008 SEL6810A TAPE
D1007 SEL6810A MD/DAT
D1006 SEL6810A SA-CD /CD
D1005 SEL6810A TUNER
D1004 SEL6810A PHOTO
R1022 75
R1021 330
C1014 0.1
D1003 SELU5E20C-PTP15
R1023 10k
MULTI CHANNEL DECODING
R1024 150
CN1020 5P
i-LINK
HDMI
DGND
DGND
H.P
AS LED BOARD CN1021 (Page 140)
AT HP BOARD CN1011 (Page 140)
R1026 10k
R1027 4.7k
R1028 2.2k
R1029 2.2k
R1030 1k
R1031 10k
R1032 4.7k
R1033 2.2k
R1034 2.2k
R1035 1k
S1012 PRESET TUNING -
S1011 PRESET TUNING +
S1010 TUNING -
S1009 TUNING +
S1008 FM/AM
S1007 MEMORY/ ENTER
S1006 USER PRESET
S1005 DISPLAY
S1004 SURR BACK DECODING
S1003 INPUT MODE
S1002 MULTI CH IN
S1001 i.LINK
CN1017 7P
VOL2
VOL1
D GND
AW VOL BOARD CN1004 (Page 140)
AX FUNCTION BOARD CN1005 (Page 140)

6-79. PRINTED WIRING BOARD – PANEL SECTION –

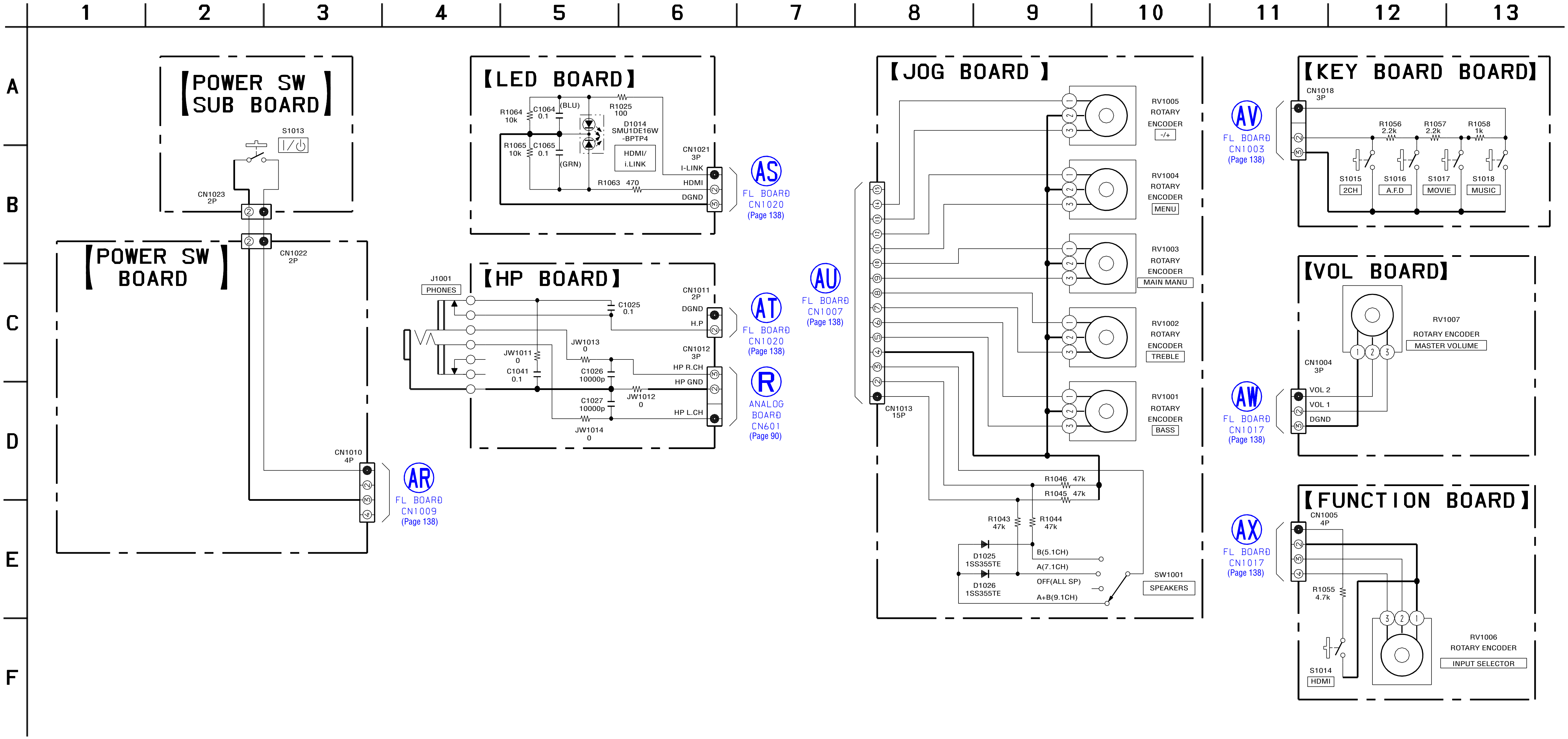
• See page 112 for Circuit Boards Location. : Uses unleaded solder.


1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F
【POWER SW SUB BOARD】
S1013
I / ⏻
JW1082 JW1084 JW1086 JW1087
CN1023
1-860-316-
11 (12, 13)
【POWER SW BOARD】
CN1022
JW1010
CN1010
AR FL BOARD CN1009 (Page 137)
11 (12, 13)
【LED BOARD】
R1064 R1065 D1014 C1064 C1065 R1025 R1063 CN1021
HDMI/L. LINK
1-863-031-
11 (12, 13)
AS FL BOARD CN1020 (Page 137)
J1001 PHONES
【HP BOARD】
C1041 IC1025 JW1011 JW1014 C1027 JW1012 CN1011 CN1012 C1026 JW1013
1-688-723-
11 (12, 13)
AT FL BOARD CN1020 (Page 137)
R ANALOG BOARD CN601 (Page 87)
【JOG BOARD】
AU FL BOARD CN1007 (Page 137)
CN1013 JW1001 JW1002 R1046 R1045 R1044 R1043 D1025 D1026
SW1001 SURROUND SPEAKERS
B ← A ← OFF ← A+B
(5.1CH) (7.1CH) (ALL SP) (9.1CH)
RV1005 RV1004 RV1003 RV1002 RV1001 JW1003 JW1004
1-688-724-
11 (12, 13)
RV1005 ROTARY ENCODER – / +
RV1004 ROTARY ENCODER MENU
RV1003 ROTARY ENCODER MAIN MENU
RV1002 ROTARY ENCODER TREBLE
RV1001 ROTARY ENCODER BASS
【VOL BOARD】
RV1007 ROTARY ENCODER MASTER VOLUME
CN1004
AW FL BOARD CN1017 (Page 137)
1-688-727-
11 (12, 13)
【FUNCTION BOARD】
AX FL BOARD CN1017 (Page 137)
CN1005 R1055 RV1006 S1014 HDMI
1-688-726-
11 (12, 13)
RV1006 ROTARY ENCODER INPUT SELECTOR
S1013 – 1018
【KEY BOARD BOARD】
AV FL BOARD CN1003 (Page 137)
CN1018 R1056 R1057 R1058
S1015 2CH S1016 A.F.D. S1017 MOVIE S1018 MUSIC
1-688-729-
11 (12, 13)

• **Semiconductor Location**

Ref. No.	Location
D1014	A-4
D1025	B-9
D1026	B-9

6-80. SCHEMATIC DIAGRAM – PANEL SECTION –

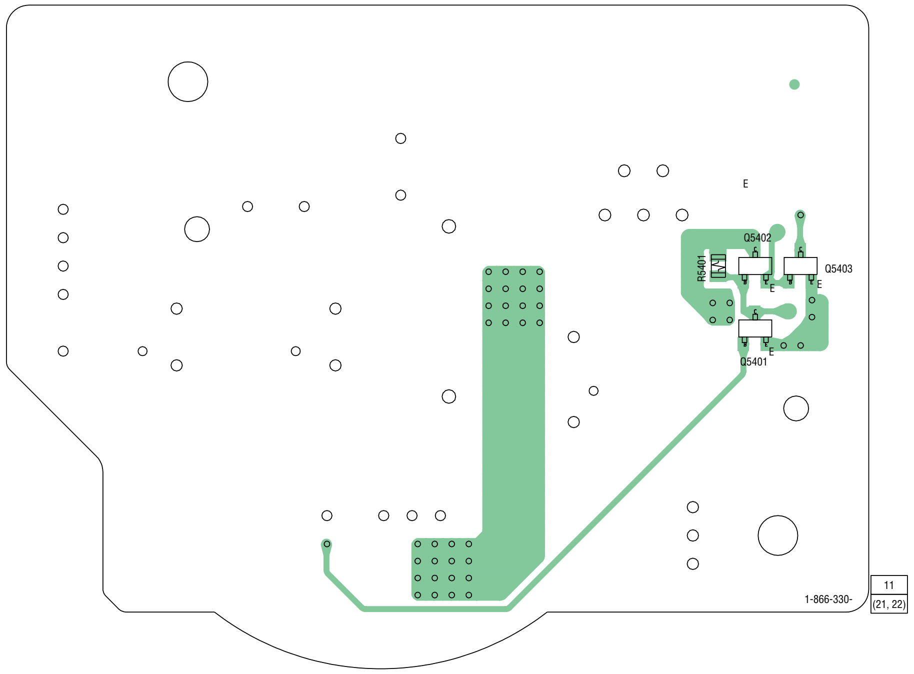

1
2
3
4
5
6
7
8
9
10
11
12
13
A
B
C
D
E
F
【POWER SW SUB BOARD】
S1013
CN1023 2P
CN1022 2P
【POWER SW BOARD】
CN1010 4P
AR FL BOARD CN1009 (Page 138)
【LED BOARD】
R1064 10k
C1064 0.1
(BLU)
R1025 100
D1014 SMU1DE16W -BPTP4
R1065 10k
C1065 0.1
(GRN)
HDMI/ i.LINK
R1063 470
CN1021 3P
I-LINK
HDMI
DGND
AS FL BOARD CN1020 (Page 138)
J1001
PHONES
【HP BOARD】
C1025 0.1
CN1011 2P
DGND
H.P
JW1013 0
JW1011 0
C1041 0.1
C1026 10000p
CN1012 3P
HP R.CH
HP GND
C1027 10000p
JW1012 0
HP L.CH
JW1014 0
AT FL BOARD CN1020 (Page 138)
R ANALOG BOARD CN601 (Page 90)
AU FL BOARD CN1007 (Page 138)
【JOG BOARD】
RV1005 ROTARY ENCODER -/+
RV1004 ROTARY ENCODER MENU
RV1003 ROTARY ENCODER MAIN MANU
RV1002 ROTARY ENCODER TREBLE
RV1001 ROTARY ENCODER BASS
CN1013 15P
R1046 47k
R1045 47k
R1043 47k
R1044 47k
D1025 1SS355TE
D1026 1SS355TE
B(5.1CH)
A(7.1CH)
OFF(ALL SP)
A+B(9.1CH)
SW1001
SPEAKERS
【KEY BOARD BOARD】
CN1018 3P
AV FL BOARD CN1003 (Page 138)
R1056 2.2k
R1057 2.2k
R1058 1k
S1015 2CH
S1016 A.F.D
S1017 MOVIE
S1018 MUSIC
【VOL BOARD】
RV1007 ROTARY ENCODER MASTER VOLUME
CN1004 3P
VOL 2
VOL 1
DGND
AW FL BOARD CN1017 (Page 138)
【FUNCTION BOARD】
CN1005 4P
AX FL BOARD CN1017 (Page 138)
R1055 4.7k
S1014 HDMI
RV1006 ROTARY ENCODER INPUT SELECTOR

6-81. PRINTED WIRING BOARD – REGULATOR SECTIONS –

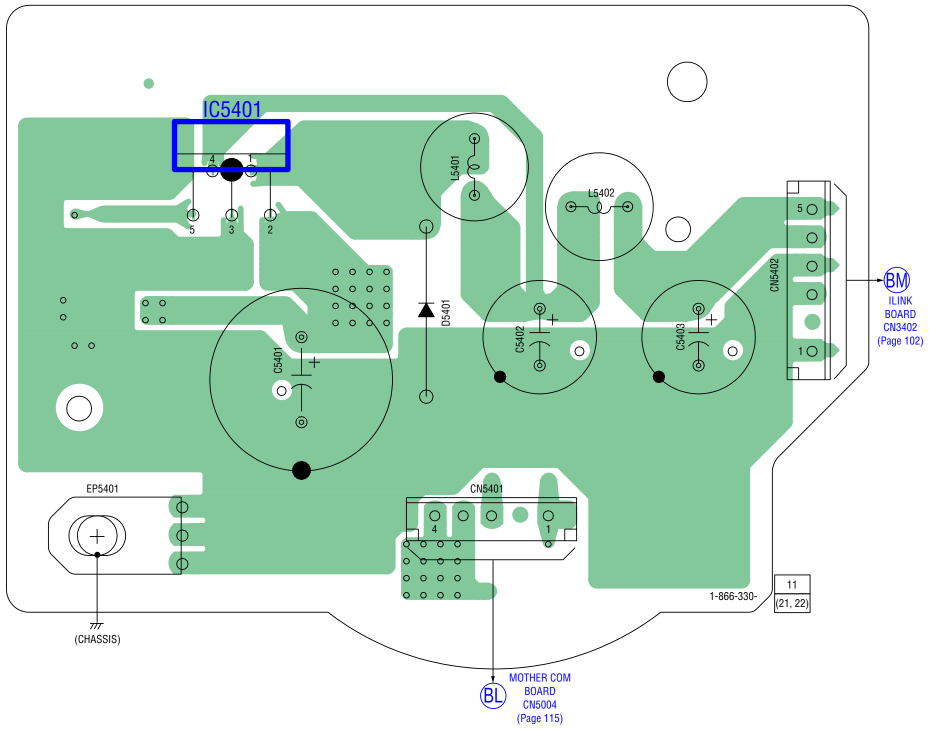
- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.

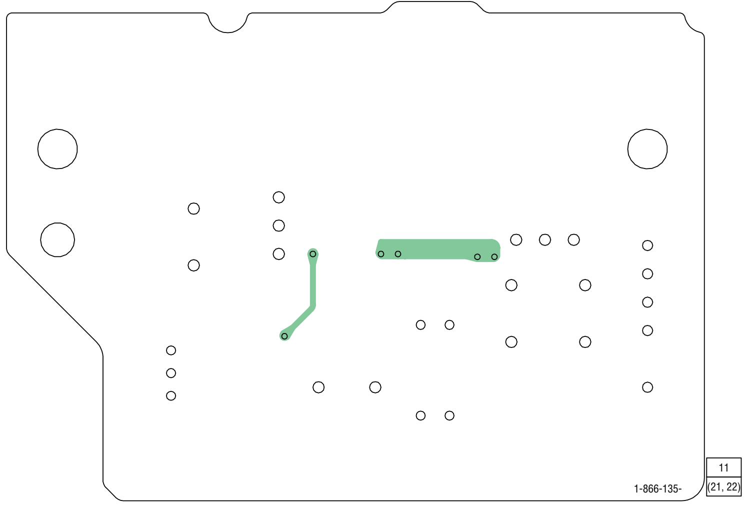
【HDMI POWER BOARD】(COMPONENT SIDE)


Q5402
Q5403
Q5401
R5401
E
1-866-330-
11
(21, 22)

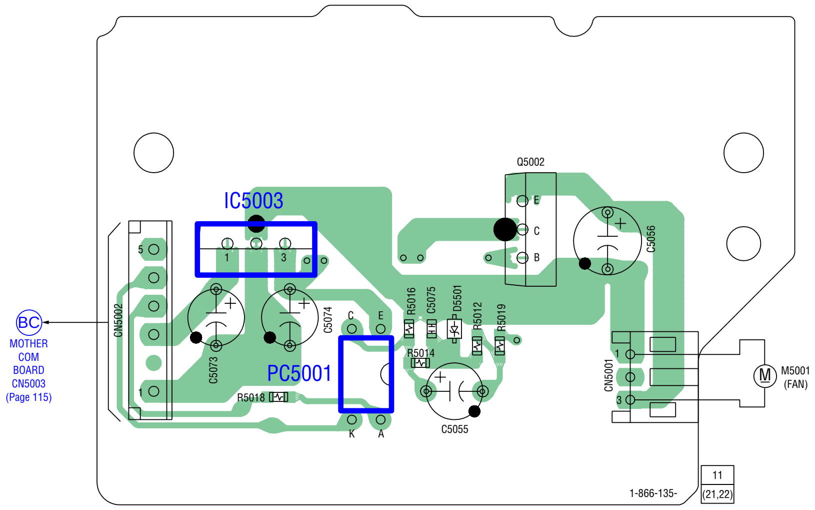
【HDMI POWER BOARD】(CONDUCTOR SIDE)


IC5401
L5401
L5402
C5401
C5402
C5403
D5401
CN5402
CN5401
EP5401
(CHASSIS)
BM
ILINK BOARD CN3402 (Page 102)
BL
MOTHER COM BOARD CN5004 (Page 115)
1-866-330-
11
(21, 22)

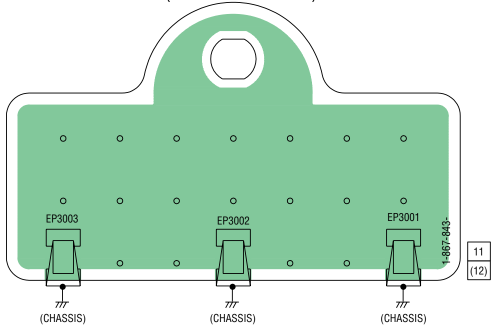
【FAN BOARD】(COMPONENT SIDE)


1-866-135-
11
(21, 22)

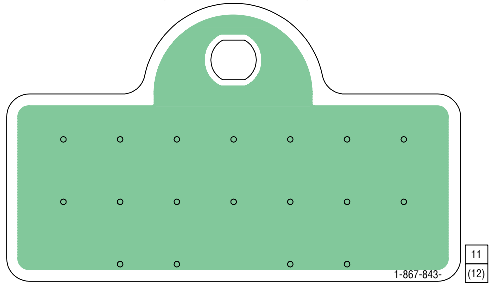
【FAN BOARD】(CONDUCTOR SIDE)


IC5003
PC5001
Q5002
CN5002
C5073
C5074
C5056
C5055
C5075
R5014
R5016
R5012
R5019
R5018
D5501
CN5001
M5001 (FAN)
BC
MOTHER COM BOARD CN5003 (Page 115)
1-866-135-
11
(21,22)

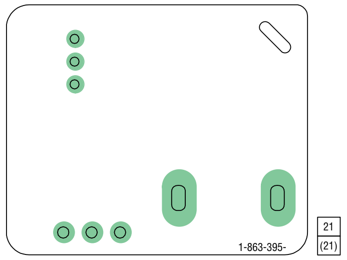
【V3-GND BOARD】(COMPONENT SIDE)


EP3003
EP3002
EP3001
(CHASSIS)
(CHASSIS)
(CHASSIS)
1-867-843-
11
(12)

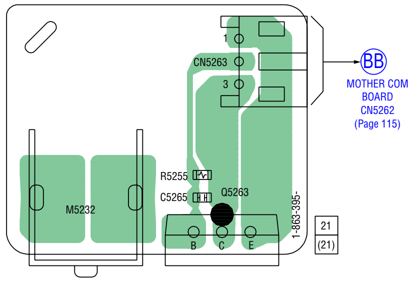
【V3-GND BOARD】(CONDUCTOR SIDE)


1-867-843-
11
(12)

【12V BOARD】(COMPONENT SIDE)


1-863-395-
21
(21)

【12V BOARD】(CONDUCTOR SIDE)

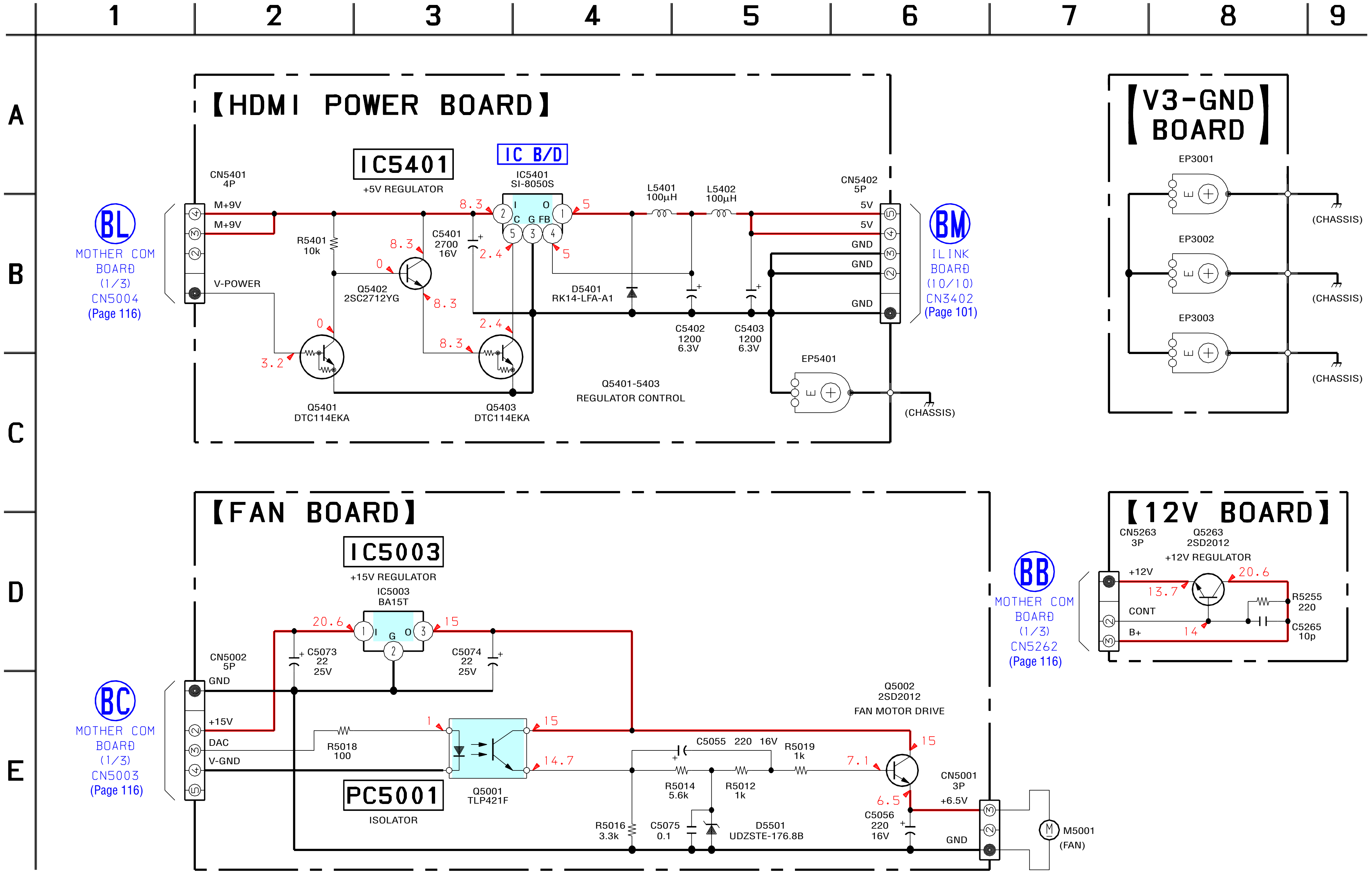

CN5263
R5255
C5265
Q5263
M5232
BB
MOTHER COM BOARD CN5262 (Page 115)
1-863-395-
21
(21)

- **Semiconductor Location**

Ref. No.	Location
D5401	C-8
D5501	G-8
IC5003	F-6
IC5401	B-7
PC5001	G-7
Q5002	F-8
Q5263	I-11
Q5401	C-5
Q5402	B-5
Q5403	B-5

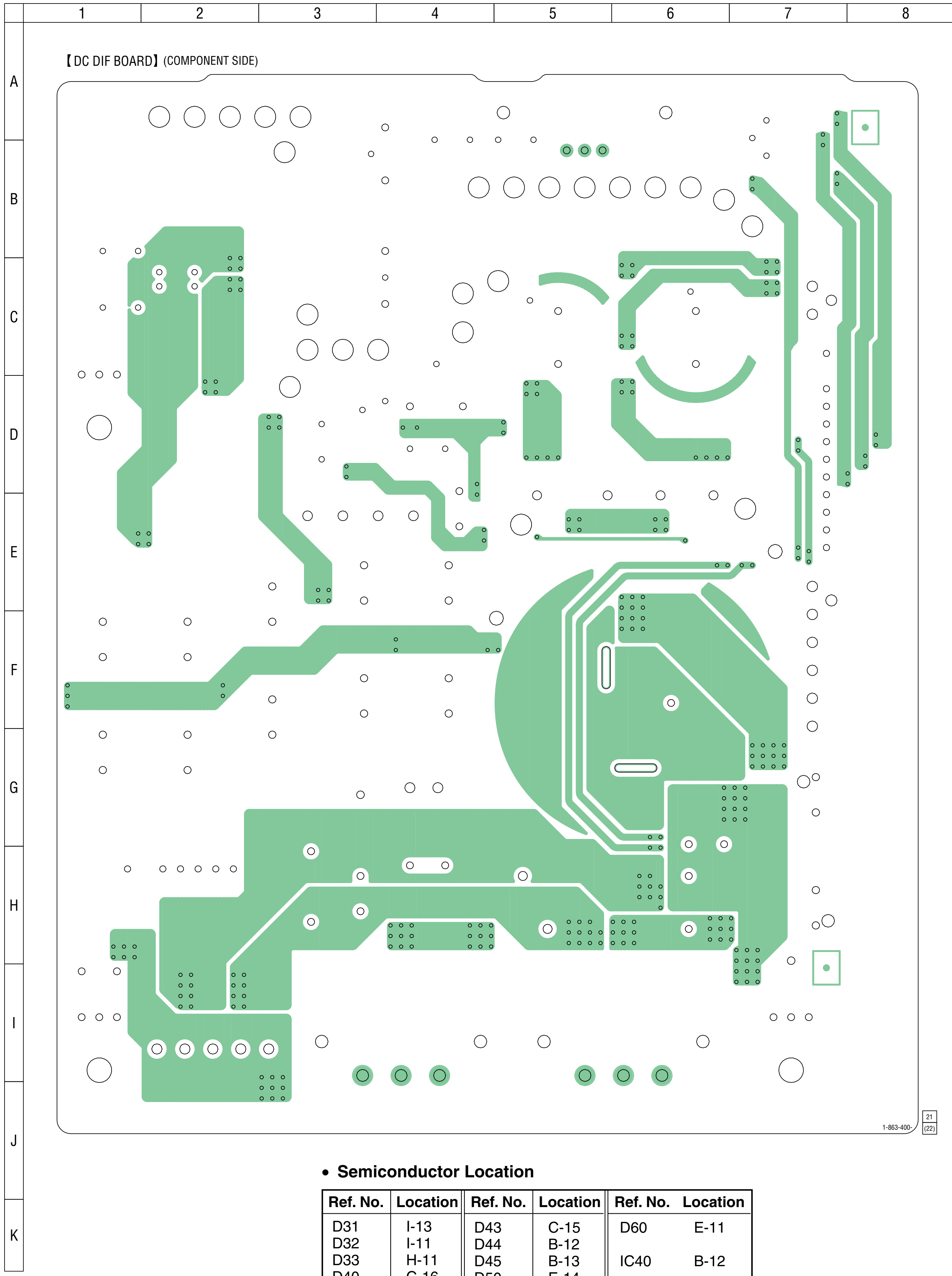
6-82. SCHEMATIC DIAGRAM – REGULATOR SECTIONS –

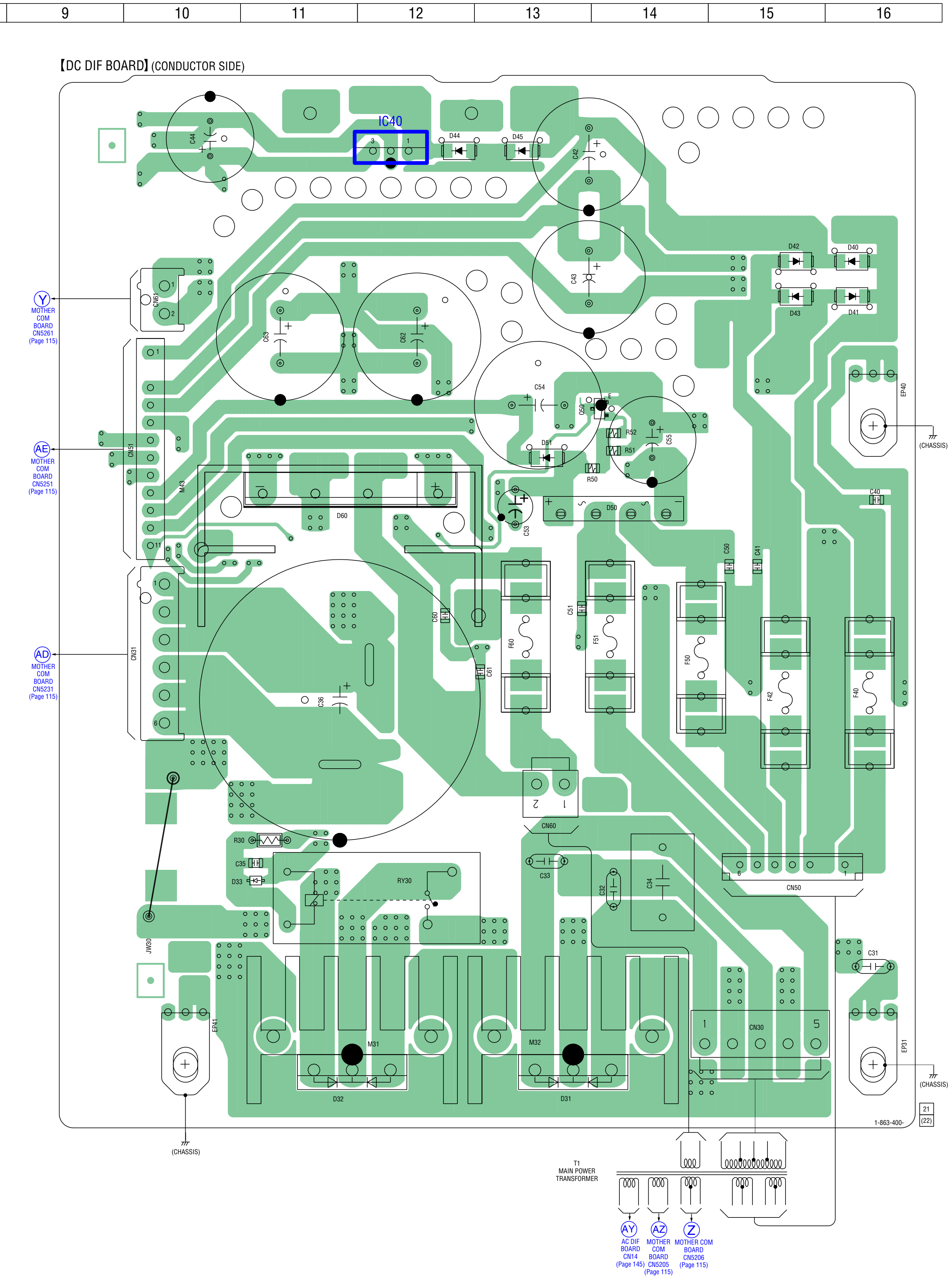
• See page 164 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
A
B
C
D
E
【HDMI POWER BOARD】
IC5401
+5V REGULATOR
IC B/D
IC5401
SI-8050S
CN5401
4P
M+9V
M+9V
V-POWER
BL
MOTHER COM
BOARD
(1/3)
CN5004
(Page 116)
R5401
10k
Q5402
2SC2712YG
C5401
2700
16V
L5401
100µH
L5402
100µH
CN5402
5P
5V
5V
GND
GND
GND
BM
I LINK
BOARD
(10/10)
CN3402
(Page 101)
D5401
RK14-LFA-A1
C5402
1200
6.3V
C5403
1200
6.3V
EP5401
(CHASSIS)
Q5401
DTC114EKA
Q5403
DTC114EKA
Q5401-5403
REGULATOR CONTROL
8.3
8.3
0
8.3
2.4
5
5
0
3.2
2.4
8.3
【V3-GND BOARD】
EP3001
EP3002
EP3003
(CHASSIS)
(CHASSIS)
(CHASSIS)
【FAN BOARD】
IC5003
+15V REGULATOR
IC5003
BA15T
20.6
15
C5073
22
25V
C5074
22
25V
CN5002
5P
GND
+15V
DAC
V-GND
BC
MOTHER COM
BOARD
(1/3)
CN5003
(Page 116)
R5018
100
1
15
14.7
PC5001
ISOLATOR
Q5001
TLP421F
Q5002
2SD2012
FAN MOTOR DRIVE
C5055 220 16V
R5019
1k
R5014
5.6k
R5012
1k
7.1
15
6.5
R5016
3.3k
C5075
0.1
D5501
UDZSTE-176.8B
C5056
220
16V
CN5001
3P
+6.5V
GND
M5001
(FAN)
【12V BOARD】
CN5263
3P
Q5263
2SD2012
+12V REGULATOR
+12V
CONT
B+
20.6
13.7
14
R5255
220
C5265
10p
BB
MOTHER COM
BOARD
(1/3)
CN5262
(Page 116)

6-83. PRINTED WIRING BOARD – DC DIF BOARDS –

• See page 112 for Circuit Boards Location. : Uses unleaded solder.

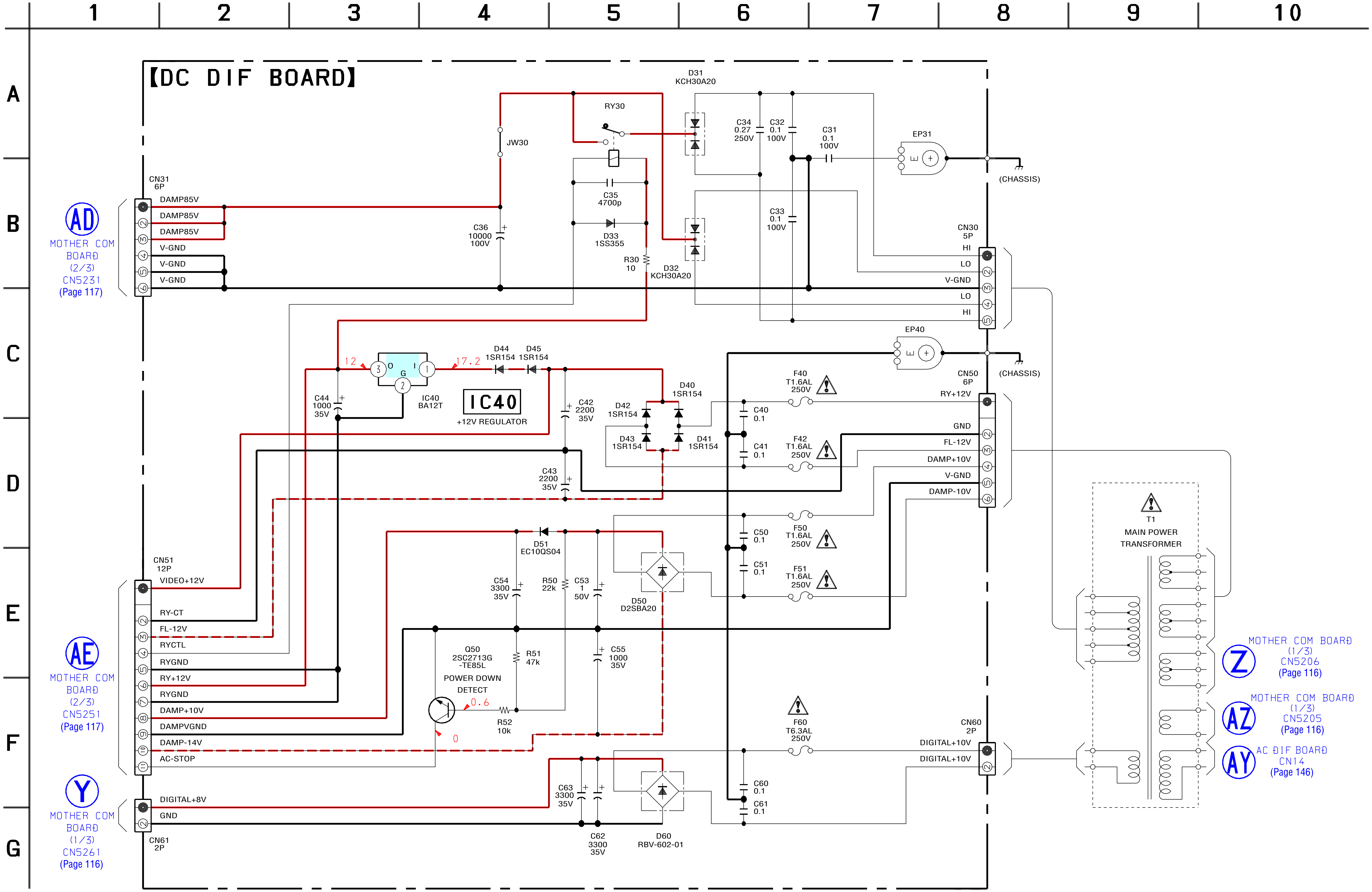

1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
K
【DC DIF BOARD】(COMPONENT SIDE)
1-863-400-
21
(22)


9
10
11
12
13
14
15
16
【DC DIF BOARD】(CONDUCTOR SIDE)
IC40
D44
D45
C44
C42
C43
D42
D40
D43
D41
C62
C52
C54
Q50
R52
R51
R50
C55
D51
D50
D60
C53
EP40
(CHASSIS)
C40
C50
C41
C51
C60
F60
F51
F50
F42
F40
C61
C36
CN60
CN50
R30
C35
D33
RY30
C33
C32
C34
C31
JW30
EP41
M31
M32
D32
D31
CN30
EP31
CN61
CN51
CN31
M43
Y
MOTHER COM BOARD CN5261 (Page 115)
AE
MOTHER COM BOARD CN5251 (Page 115)
AD
MOTHER COM BOARD CN5231 (Page 115)
T1 MAIN POWER TRANSFORMER
AY
AC DIF BOARD CN14 (Page 145)
AZ
MOTHER COM BOARD CN5205 (Page 115)
Z
MOTHER COM BOARD CN5206 (Page 115)
1-863-400-
21
(22)

• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D31	I-13	D43	C-15	D60	E-11
D32	I-11	D44	B-12		
D33	H-11	D45	B-13	IC40	B-12
D40	C-16	D50	E-14		
D41	C-16	D51	D-13	Q50	D-14
D42	C-15				

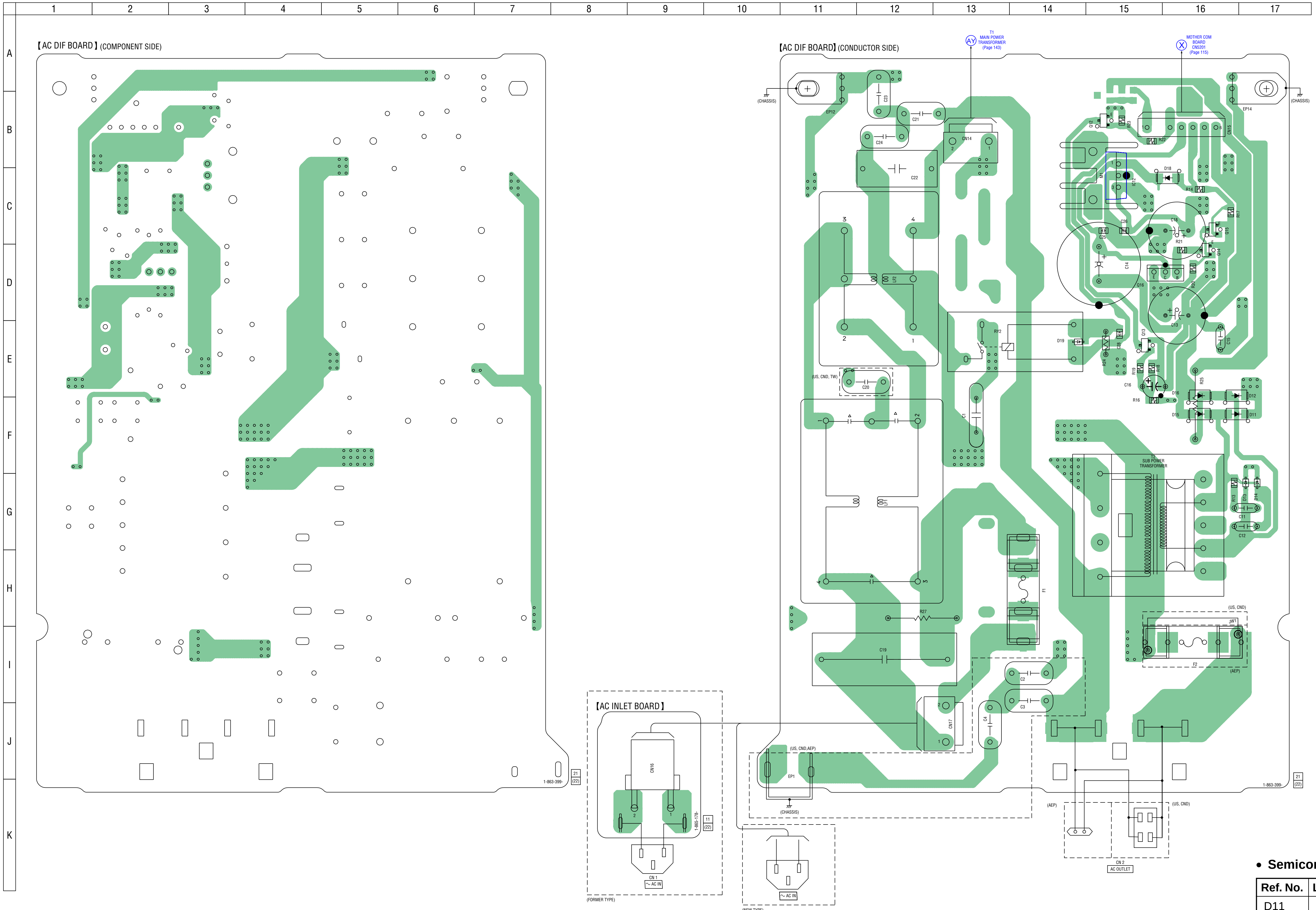
6-84. SCHEMATIC DIAGRAM – DC DIF BOARD –


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
【DC DIF BOARD】
D31
KCH30A20
RY30
JW30
C34
0.27
250V
C32
0.1
100V
C31
0.1
100V
EP31
(CHASSIS)
CN31
6P
DAMP85V
DAMP85V
DAMP85V
V-GND
V-GND
V-GND
AD
MOTHER COM
BOARD
(2/3)
CN5231
(Page 117)
C35
4700p
C36
10000
100V
D33
1SS355
R30
10
D32
KCH30A20
C33
0.1
100V
CN30
5P
HI
LO
V-GND
LO
HI
EP40
(CHASSIS)
12
17.2
D44
1SR154
D45
1SR154
IC40
BA12T
IC40
+12V REGULATOR
C44
1000
35V
C42
2200
35V
D40
1SR154
D42
1SR154
D43
1SR154
D41
1SR154
C40
0.1
C41
0.1
F40
T1.6AL
250V
F42
T1.6AL
250V
CN50
6P
RY+12V
GND
FL-12V
DAMP+10V
V-GND
DAMP-10V
C43
2200
35V
T1
MAIN POWER
TRANSFORMER
D51
EC10QS04
C50
0.1
C51
0.1
F50
T1.6AL
250V
F51
T1.6AL
250V
CN51
12P
VIDEO+12V
RY-CT
FL-12V
RYCTL
RYGND
RY+12V
RYGND
DAMP+10V
DAMPVGND
DAMP-14V
AC-STOP
AE
MOTHER COM
BOARD
(2/3)
CN5251
(Page 117)
C54
3300
35V
R50
22k
C53
1
50V
D50
D2SBA20
Q50
2SC2713G
-TE85L
POWER DOWN
DETECT
R51
47k
C55
1000
35V
0.6
R52
10k
0
F60
T6.3AL
250V
CN60
2P
DIGITAL+10V
DIGITAL+10V
MOTHER COM BOARD
(1/3)
CN5206
(Page 116)
Z
MOTHER COM BOARD
(1/3)
CN5205
(Page 116)
AZ
AC DIF BOARD
CN14
(Page 146)
AY
Y
MOTHER COM
BOARD
(1/3)
CN5261
(Page 116)
DIGITAL+8V
GND
CN61
2P
C63
3300
35V
C62
3300
35V
D60
RBV-602-01
C60
0.1
C61
0.1

6-85. PRINTED WIRING BOARD – AC DIF SECTIONS –

- See page 112 for Circuit Boards Location.

LF : Uses unleaded solder.

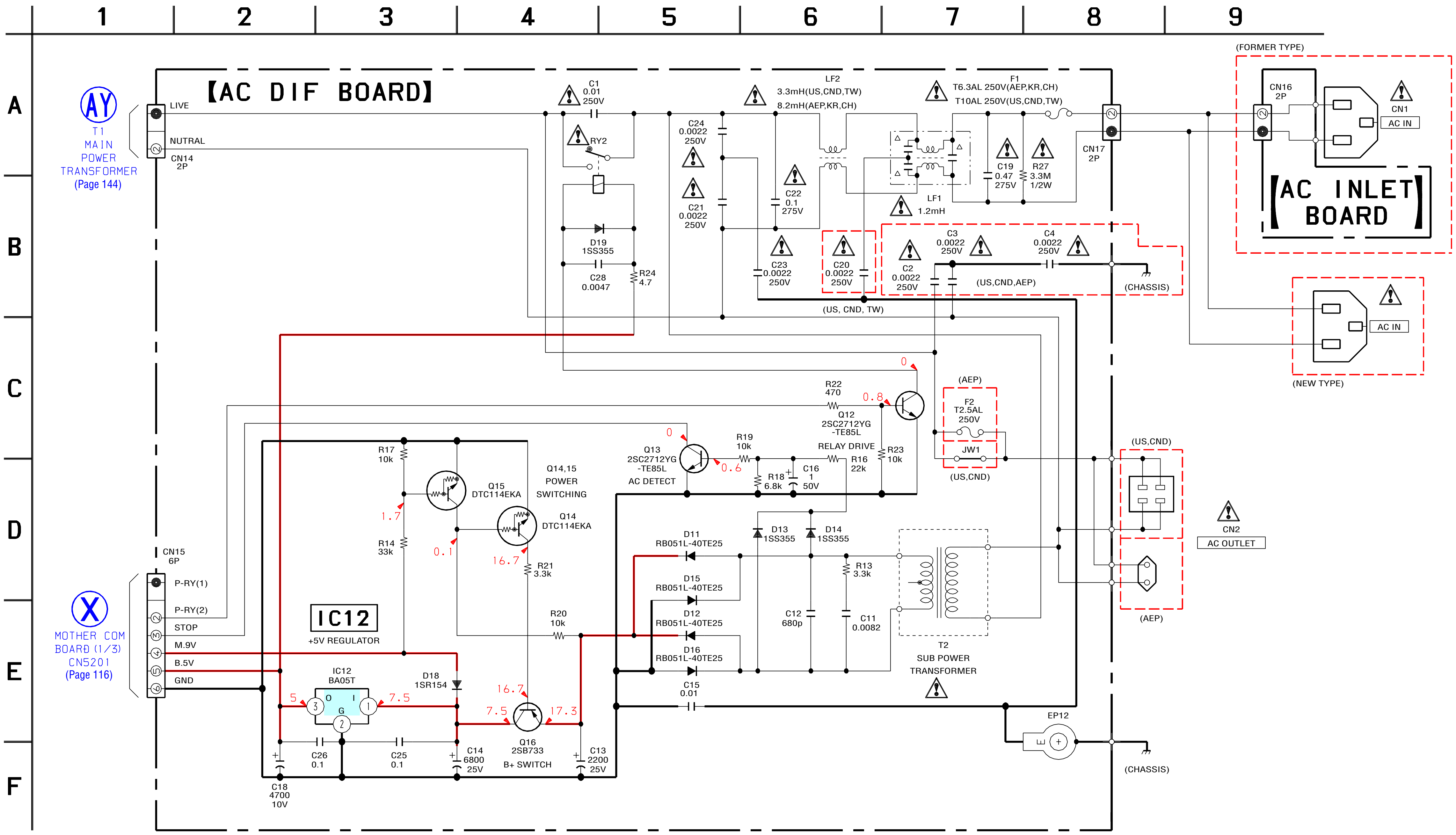

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
K
【AC DIF BOARD】(COMPONENT SIDE)
【AC DIF BOARD】(CONDUCTOR SIDE)
AY T1 MAIN POWER TRANSFORMER (Page 143)
X MOTHER COM BOARD CN5201 (Page 115)
(CHASSIS)
EP12
EP14
CN14
CN15
RY2
D19
T2 SUB POWER TRANSFORMER
(US, CND, TW)
(US, CND)
(AEP)
(US, CND, AEP)
F1
F2
R27
C19
CN17
EP1
1-863-399-
21 (22)
【AC INLET BOARD】
CN16
CN 1 ~ AC IN
1-865-178-
11 (22)
(FORMER TYPE)
(NEW TYPE)
CN 2 AC OUTLET

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D11	F-17	IC12	C-15
D12	E-17		
D13	G-17	Q12	B-15
D14	G-17	Q13	E-15
D15	F-16	Q14	D-16
D16	E-16	Q15	C-16
D18	C-16	Q16	D-16
D19	E-14		

6-86. SCHEMATIC DIAGRAM – AC DIF SECTION –

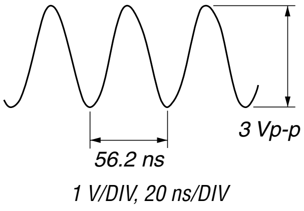

1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
【AC DIF BOARD】
AY
T1
MAIN
POWER
TRANSFORMER
(Page 144)
LIVE
NUTRAL
CN14
2P
C1
0.01
250V
RY2
D19
1SS355
C28
0.0047
R24
4.7
C24
0.0022
250V
C21
0.0022
250V
LF2
3.3mH(US,CND,TW)
8.2mH(AEP,KR,CH)
C22
0.1
275V
C23
0.0022
250V
C20
0.0022
250V
(US, CND, TW)
F1
T6.3AL 250V(AEP,KR,CH)
T10AL 250V(US,CND,TW)
LF1
1.2mH
C19
0.47
275V
R27
3.3M
1/2W
CN17
2P
C3
0.0022
250V
C4
0.0022
250V
C2
0.0022
250V
(US,CND,AEP)
(CHASSIS)
(FORMER TYPE)
CN16
2P
CN1
AC IN
【AC INLET BOARD】
AC IN
(NEW TYPE)
R22
470
0.8
0
Q12
2SC2712YG
-TE85L
RELAY DRIVE
R23
10k
(AEP)
F2
T2.5AL
250V
JW1
(US,CND)
R19
10k
0
Q13
2SC2712YG
-TE85L
AC DETECT
0.6
R18
6.8k
C16
1
50V
R16
22k
R17
10k
Q15
DTC114EKA
Q14,15
POWER
SWITCHING
Q14
DTC114EKA
1.7
R14
33k
0.1
16.7
R21
3.3k
D11
RB051L-40TE25
D13
1SS355
D14
1SS355
R13
3.3k
D15
RB051L-40TE25
D12
RB051L-40TE25
D16
RB051L-40TE25
C12
680p
C11
0.0082
T2
SUB POWER
TRANSFORMER
(US,CND)
(AEP)
CN2
AC OUTLET
CN15
6P
P-RY(1)
P-RY(2)
STOP
M.9V
B.5V
GND
X
MOTHER COM
BOARD (1/3)
CN5201
(Page 116)
IC12
+5V REGULATOR
R20
10k
IC12
BA05T
D18
1SR154
5
7.5
16.7
7.5
17.3
O
I
G
C15
0.01
EP12
(CHASSIS)
C26
0.1
C25
0.1
C14
6800
25V
Q16
2SB733
B+ SWITCH
C13
2200
25V
C18
4700
10V

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

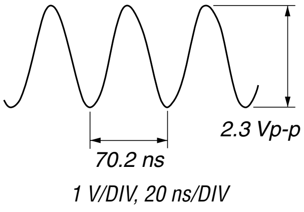
- **Waveforms**

– VIDEO Board –

① **IC3503 ①**

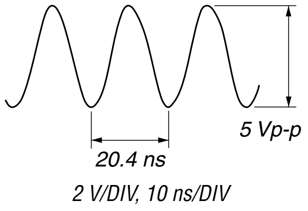


② **IC3503 ③**

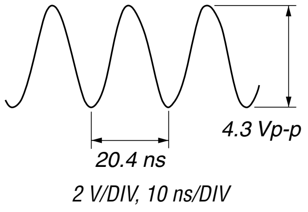


– D-AMP Board –

⑪ **IC1412 ⑲ (XFSOIN)**



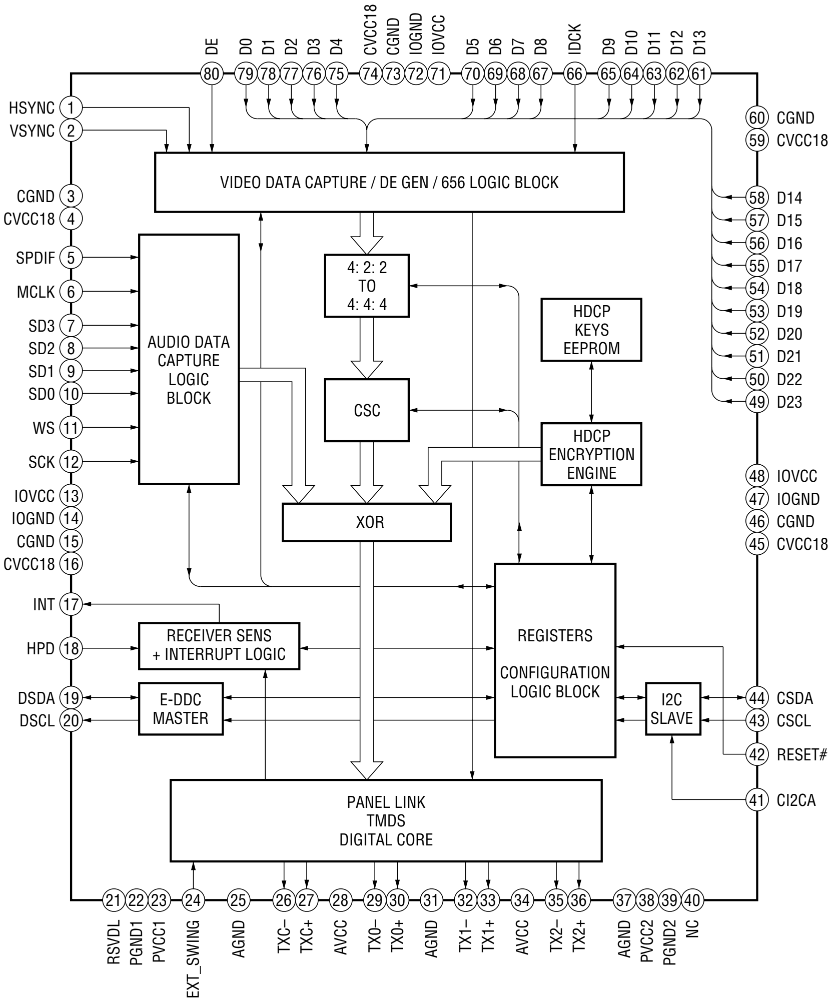
⑫ **IC1412 (62) (XFSOOUT)**



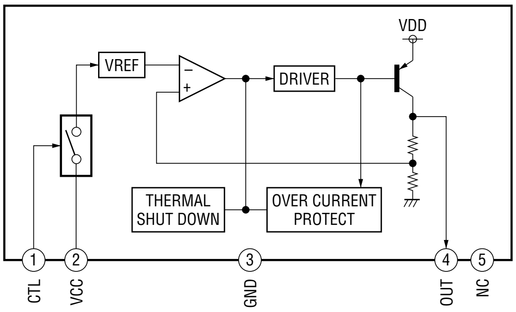
- **IC Block Diagrams**

– ILINK Board –

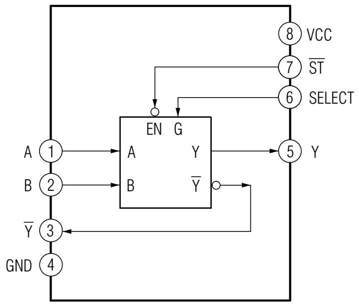
IC3208 SII9030CTU-1.1


DE 80
D0 79
D1 78
D2 77
D3 76
D4 75
CVCC18 74
CGND 73
IOGND 72
IOVCC 71
D5 70
D6 69
D7 68
D8 67
IDCK 66
D9 65
D10 64
D11 63
D12 62
D13 61
HSYNC 1
VSYNC 2
CGND 3
CVCC18 4
SPDIF 5
MCLK 6
SD3 7
SD2 8
SD1 9
SD0 10
WS 11
SCK 12
IOVCC 13
IOGND 14
CGND 15
CVCC18 16
INT 17
HPD 18
DSDA 19
DSCL 20
RSVDL 21
PGND1 22
PVCC1 23
EXT_SWING 24
AGND 25
TXC– 26
TXC+ 27
AVCC 28
TX0– 29
TX0+ 30
AGND 31
TX1– 32
TX1+ 33
AVCC 34
TX2– 35
TX2+ 36
AGND 37
PVCC2 38
PGND2 39
NC 40
CI2CA 41
RESET# 42
CSCL 43
CSDA 44
CVCC18 45
CGND 46
IOGND 47
IOVCC 48
D23 49
D22 50
D21 51
D20 52
D19 53
D18 54
D17 55
D16 56
D15 57
D14 58
CVCC18 59
CGND 60
VIDEO DATA CAPTURE / DE GEN / 656 LOGIC BLOCK
AUDIO DATA CAPTURE LOGIC BLOCK
4: 2: 2 TO 4: 4: 4
CSC
HDCP KEYS EEPROM
HDCP ENCRYPTION ENGINE
XOR
RECEIVER SENS + INTERRUPT LOGIC
E-DDC MASTER
REGISTERS
CONFIGURATION LOGIC BLOCK
I2C SLAVE
PANEL LINK TMDS DIGITAL CORE

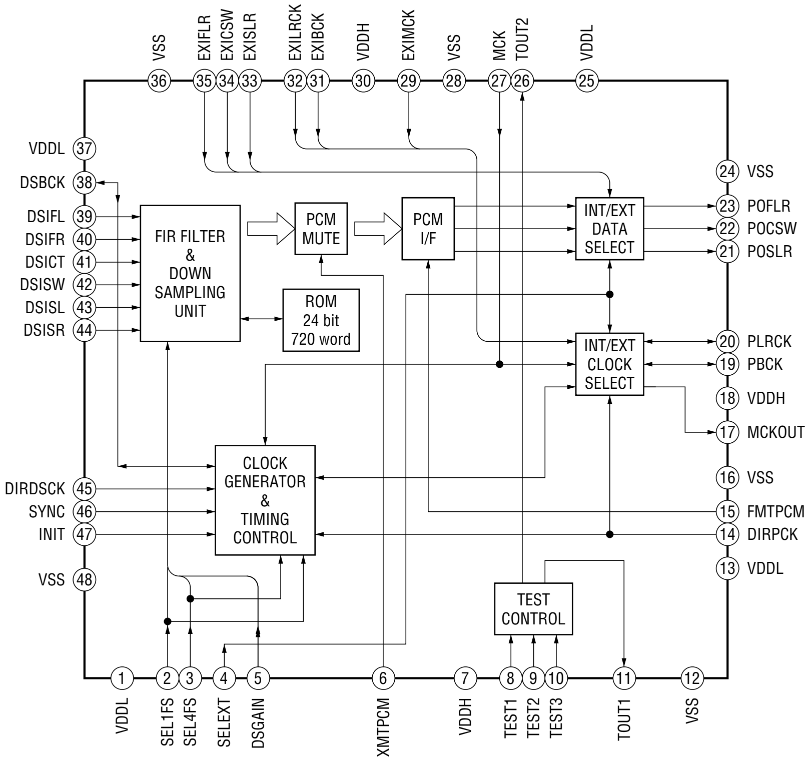
IC3501 BA25BC0WFP-E2


VDD
VREF
–
+
DRIVER
THERMAL SHUT DOWN
OVER CURRENT PROTECT
1
2
3
4
5
CTL
VCC
GND
OUT
NC

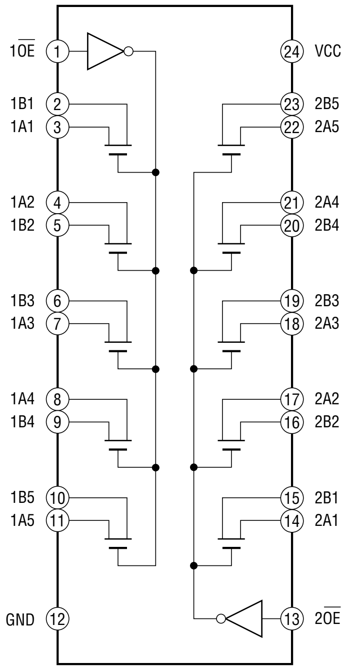
IC3007 SN74AHC2G157HDCT


8 VCC
7 $\overline{ST}$
6 SELECT
EN G
A
Y
B
$\overline{Y}$
A 1
B 2
$\overline{Y}$ 3
GND 4
5 Y

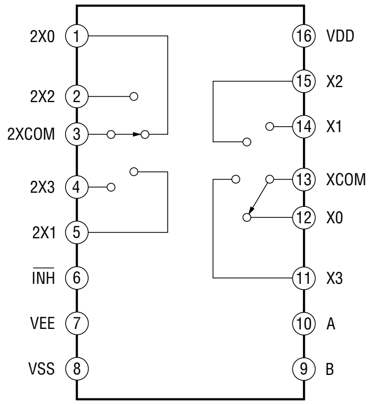
IC3011 CXD9850Q


VSS 36
EXIFLR 35
EXICSW 34
EXISLR 33
EXILRCK 32
EXIBCK 31
VDDH 30
EXIMCK 29
VSS 28
MCK 27
TOUT2 26
VDDL 25
VDDL 37
DSBCK 38
DSIFL 39
DSIFR 40
DSICT 41
DSISW 42
DSISL 43
DSISR 44
DIRDSCK 45
SYNC 46
INIT 47
VSS 48
FIR FILTER & DOWN SAMPLING UNIT
PCM MUTE
PCM I/F
ROM 24 bit 720 word
INT/EXT DATA SELECT
INT/EXT CLOCK SELECT
CLOCK GENERATOR & TIMING CONTROL
TEST CONTROL
24 VSS
23 POFLR
22 POCSW
21 POSLR
20 PLRCK
19 PBCK
18 VDDH
17 MCKOUT
16 VSS
15 FMTPCM
14 DIRPCK
13 VDDL
1 VDDL
2 SEL1FS
3 SEL4FS
4 SELEXT
5 DSGAIN
6 XMTPCM
7 VDDH
8 TEST1
9 TEST2
10 TEST3
11 TOUT1
12 VSS

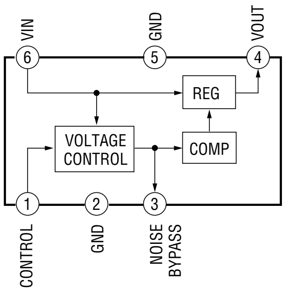
IC3204, 3206 SN74CBT3384APWR
IC3207 SN74CBT3384APWR


1OE 1
1B1 2
1A1 3
1A2 4
1B2 5
1B3 6
1A3 7
1A4 8
1B4 9
1B5 10
1A5 11
GND 12
24 VCC
23 2B5
22 2A5
21 2A4
20 2B4
19 2B3
18 2A3
17 2A2
16 2B2
15 2B1
14 2A1
13 2OE

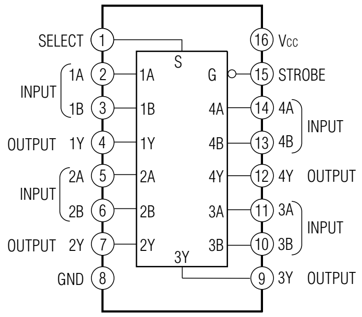
IC3203 SN74LV4052APWR


2X0 1
2X2 2
2XCOM 3
2X3 4
2X1 5
INH 6
VEE 7
VSS 8
16 VDD
15 X2
14 X1
13 XCOM
12 X0
11 X3
10 A
9 B

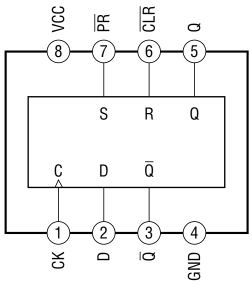
IC3212, 3214 TK11250CMCL-G


VIN
GND
VOUT
6
5
4
REG
VOLTAGE CONTROL
COMP
1
2
3
CONTROL
GND
NOISE BYPASS

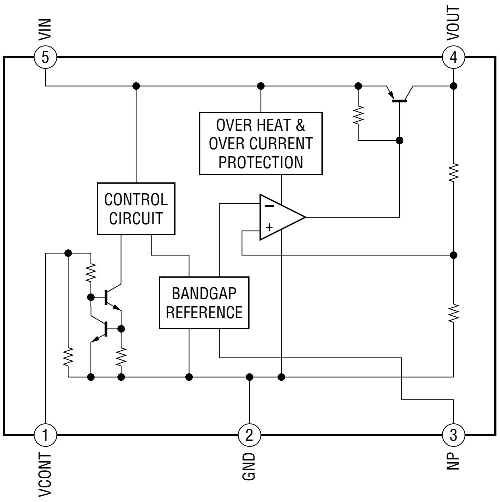
IC3009 TC74VHC157FT (EL)
IC3013 TC74VHC157FT (EL)


SELECT 1
INPUT 1A 2
1B 3
OUTPUT 1Y 4
INPUT 2A 5
2B 6
OUTPUT 2Y 7
GND 8
S
G
1A
1B
1Y
2A
2B
2Y
3Y
4A
4B
4Y
3A
3B
16 Vcc
15 STROBE
14 4A INPUT
13 4B
12 4Y OUTPUT
11 3A INPUT
10 3B
9 3Y OUTPUT

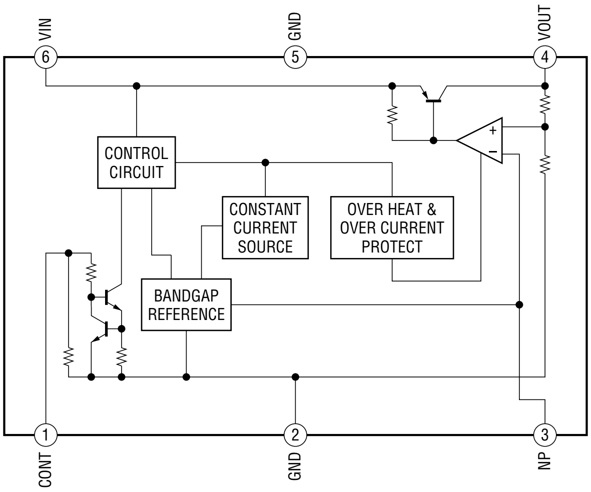
IC3012 TC7WH74FU (TE12R)


VCC
PR
CLR
Q
8
7
6
5
S
R
Q
C
D
Q̄
1
2
3
4
CK
D
Q̄
GND

IC3404 TK11118CSCL-G

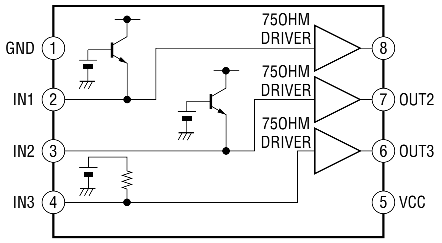

VIN
VOUT
5
4
OVER HEAT & OVER CURRENT PROTECTION
CONTROL CIRCUIT
BANDGAP REFERENCE
−
+
1
2
3
VCONT
GND
NP

IC3505 TK11225CMCL-G

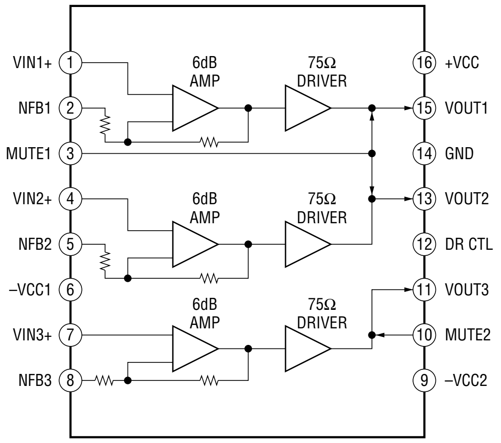

VIN
GND
VOUT
6
5
4
CONTROL CIRCUIT
CONSTANT CURRENT SOURCE
OVER HEAT & OVER CURRENT PROTECT
BANDGAP REFERENCE
+
−
1
2
3
CONT
GND
NP

– VIDEO Board –

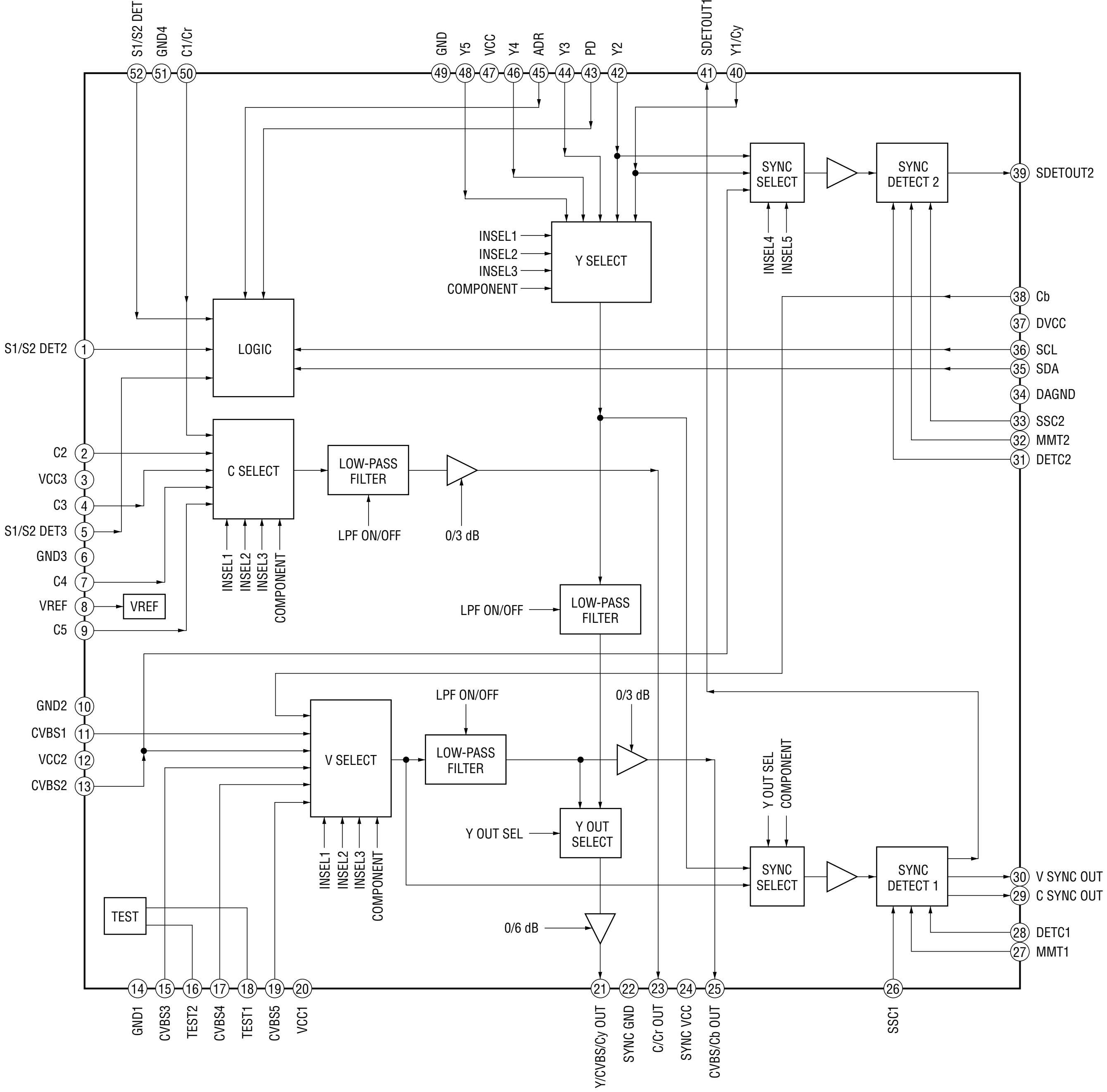
IC3604 BA7622F-E2-A


GND 1
IN1 2
IN2 3
IN3 4
75OHM DRIVER
75OHM DRIVER
75OHM DRIVER
8
7 OUT2
6 OUT3
5 VCC

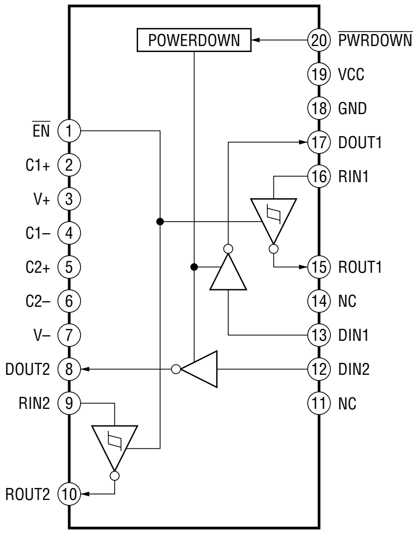
IC3701 LA7106M-TLM
IC3702 LA7106M-TLM


VIN1+ 1
NFB1 2
MUTE1 3
VIN2+ 4
NFB2 5
–VCC1 6
VIN3+ 7
NFB3 8
6dB AMP
75Ω DRIVER
6dB AMP
75Ω DRIVER
6dB AMP
75Ω DRIVER
16 +VCC
15 VOUT1
14 GND
13 VOUT2
12 DR CTL
11 VOUT3
10 MUTE2
9 –VCC2

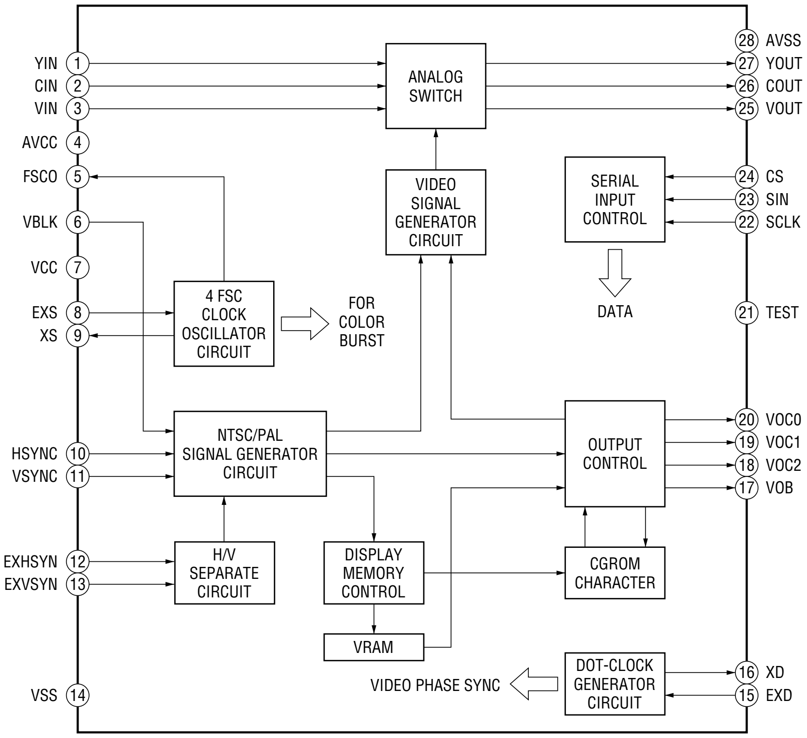
IC3601 BH7623KS2


S1/S2 DET1 52
GND4 51
C1/Cr 50
GND 49
Y5 48
VCC 47
Y4 46
ADR 45
Y3 44
PD 43
Y2 42
SDETOUT1 41
Y1/Cy 40
SYNC SELECT
SYNC DETECT 2
39 SDETOUT2
INSEL4
INSEL5
INSEL1
INSEL2
INSEL3
COMPONENT
Y SELECT
38 Cb
37 DVCC
36 SCL
35 SDA
34 DAGND
33 SSC2
32 MMT2
31 DETC2
S1/S2 DET2 1
LOGIC
C2 2
VCC3 3
C3 4
S1/S2 DET3 5
GND3 6
C4 7
VREF 8
C5 9
C SELECT
LOW-PASS FILTER
LPF ON/OFF
0/3 dB
INSEL1
INSEL2
INSEL3
COMPONENT
VREF
LPF ON/OFF
LOW-PASS FILTER
GND2 10
CVBS1 11
VCC2 12
CVBS2 13
V SELECT
LPF ON/OFF
LOW-PASS FILTER
0/3 dB
Y OUT SEL
COMPONENT
Y OUT SEL
Y OUT SELECT
SYNC SELECT
SYNC DETECT 1
30 V SYNC OUT
29 C SYNC OUT
28 DETC1
27 MMT1
INSEL1
INSEL2
INSEL3
COMPONENT
0/6 dB
TEST
14 GND1
15 CVBS3
16 TEST2
17 CVBS4
18 TEST1
19 CVBS5
20 VCC1
21 Y/CVBS/Cy OUT
22 SYNC GND
23 C/Cr OUT
24 SYNC VCC
25 CVBS/Cb OUT
26 SSC1

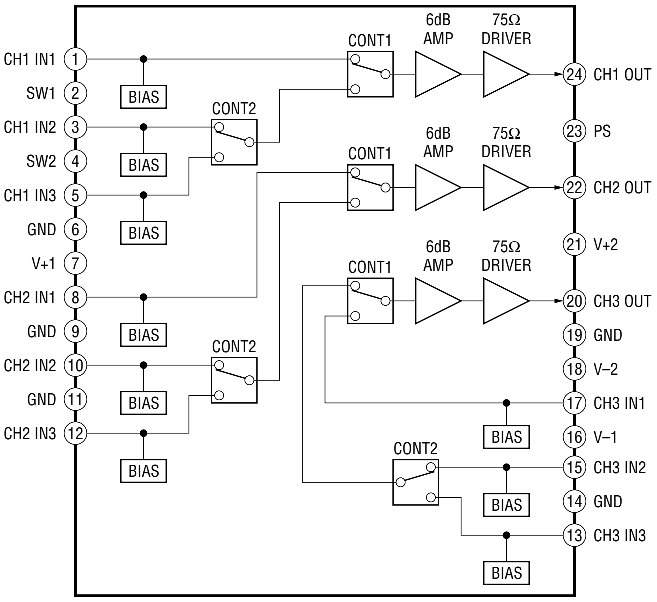
IC3201 MAX3222IPWR


POWERDOWN
20 PWRDOWN
19 VCC
18 GND
17 DOUT1
16 RIN1
15 ROUT1
14 NC
13 DIN1
12 DIN2
11 NC
1 EN
2 C1+
3 V+
4 C1–
5 C2+
6 C2–
7 V–
8 DOUT2
9 RIN2
10 ROUT2

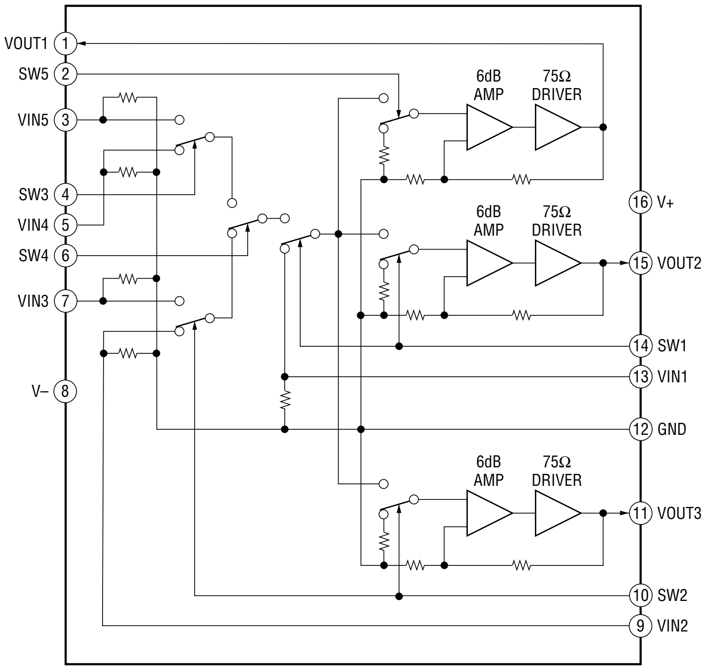
IC3501 MB90089F-G-238-BND


1 YIN
2 CIN
3 VIN
4 AVCC
5 FSCO
6 VBLK
7 VCC
8 EXS
9 XS
10 HSYNC
11 VSYNC
12 EXHSYN
13 EXVSYN
14 VSS
28 AVSS
27 YOUT
26 COUT
25 VOUT
24 CS
23 SIN
22 SCLK
21 TEST
20 VOC0
19 VOC1
18 VOC2
17 VOB
16 XD
15 EXD
ANALOG SWITCH
VIDEO SIGNAL GENERATOR CIRCUIT
SERIAL INPUT CONTROL
DATA
4 FSC CLOCK OSCILLATOR CIRCUIT
FOR COLOR BURST
NTSC/PAL SIGNAL GENERATOR CIRCUIT
OUTPUT CONTROL
H/V SEPARATE CIRCUIT
DISPLAY MEMORY CONTROL
CGROM CHARACTER
VRAM
VIDEO PHASE SYNC
DOT-CLOCK GENERATOR CIRCUIT

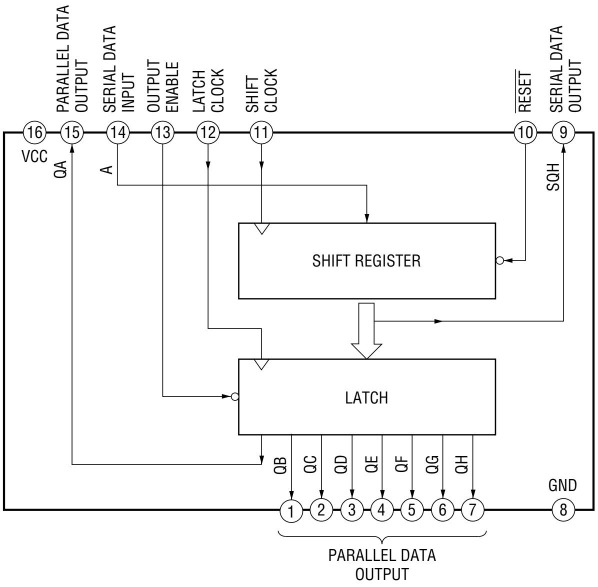
IC3331 NJM2586AM


1 CH1 IN1
2 SW1
3 CH1 IN2
4 SW2
5 CH1 IN3
6 GND
7 V+1
8 CH2 IN1
9 GND
10 CH2 IN2
11 GND
12 CH2 IN3
24 CH1 OUT
23 PS
22 CH2 OUT
21 V+2
20 CH3 OUT
19 GND
18 V–2
17 CH3 IN1
16 V–1
15 CH3 IN2
14 GND
13 CH3 IN3
CONT1
CONT2
6dB AMP
75Ω DRIVER
BIAS

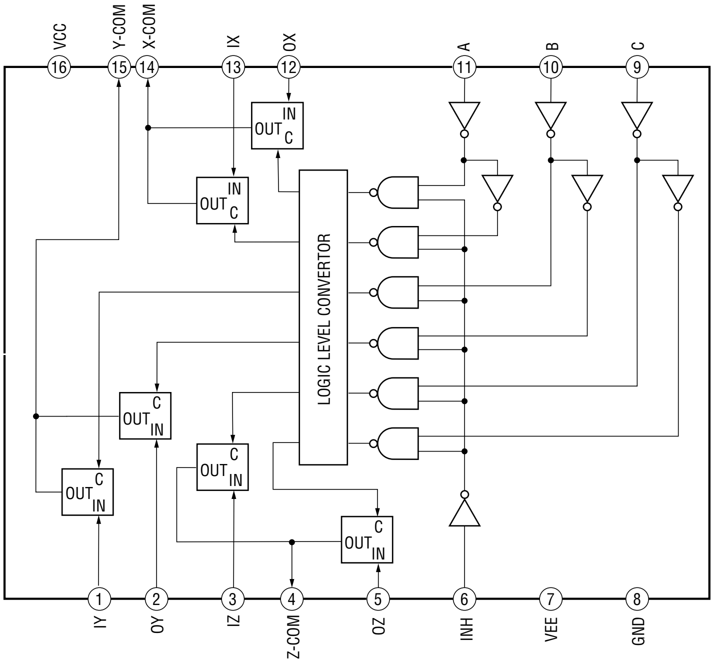
IC3421, 3431 NJM2595M-TE2


VOUT1 1
SW5 2
VIN5 3
SW3 4
VIN4 5
SW4 6
VIN3 7
V– 8
6dB AMP
75Ω DRIVER
16 V+
15 VOUT2
14 SW1
13 VIN1
12 GND
11 VOUT3
10 SW2
9 VIN2

IC3812, 3813 SN74HC595ANS

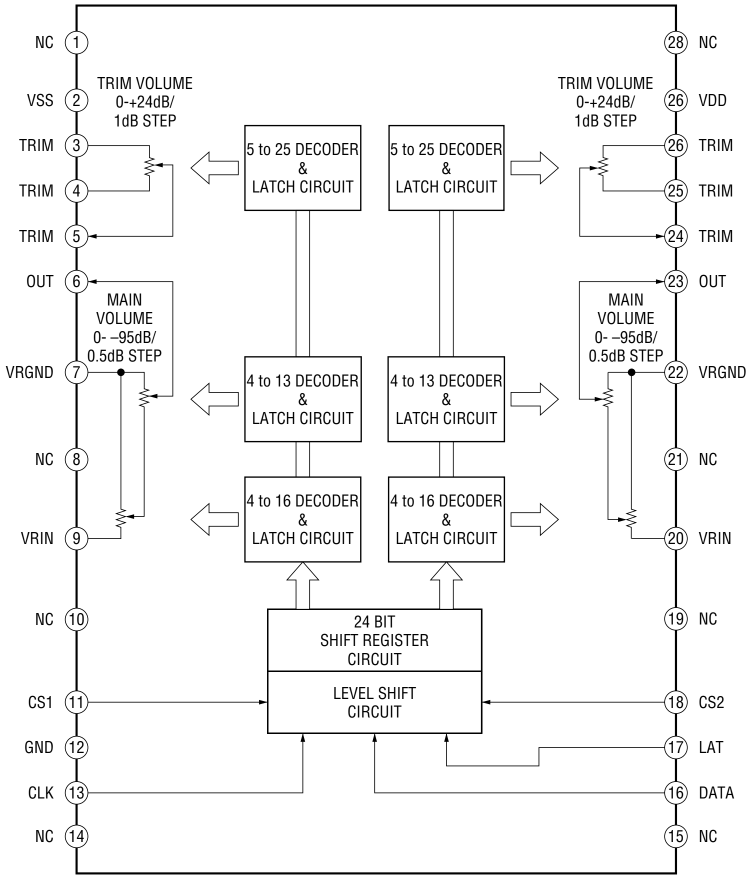

PARALLEL DATA OUTPUT
SERIAL DATA INPUT
OUTPUT ENABLE
LATCH CLOCK
SHIFT CLOCK
RESET
SERIAL DATA OUTPUT
16
15
14
13
12
11
10
9
VCC
QA
A
SQH
SHIFT REGISTER
LATCH
QB
QC
QD
QE
QF
QG
QH
GND
1
2
3
4
5
6
7
8
PARALLEL DATA OUTPUT

IC3602 TC74HC4053AFEL
IC3605 TC74HC4053AFEL
IC3814 TC74HC4053AFEL

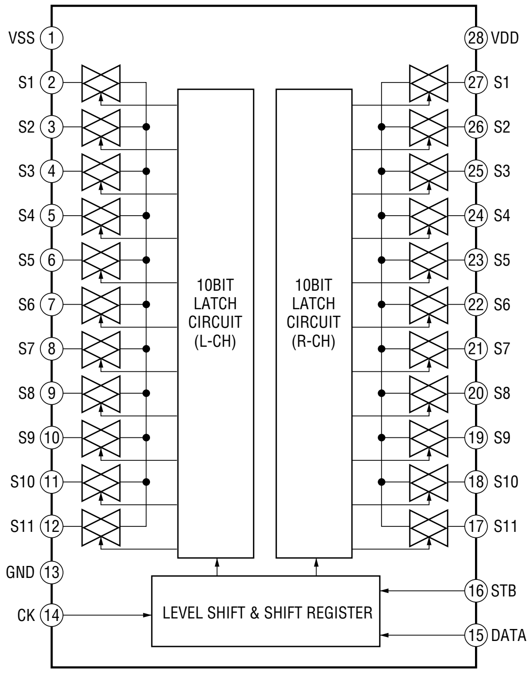

VCC
Y-COM
X-COM
IX
OX
A
B
C
16
15
14
13
12
11
10
9
IN
OUT
C
LOGIC LEVEL CONVERTOR
1
2
3
4
5
6
7
8
IY
OY
IZ
Z-COM
OZ
INH
VEE
GND

– ANALOG Board –

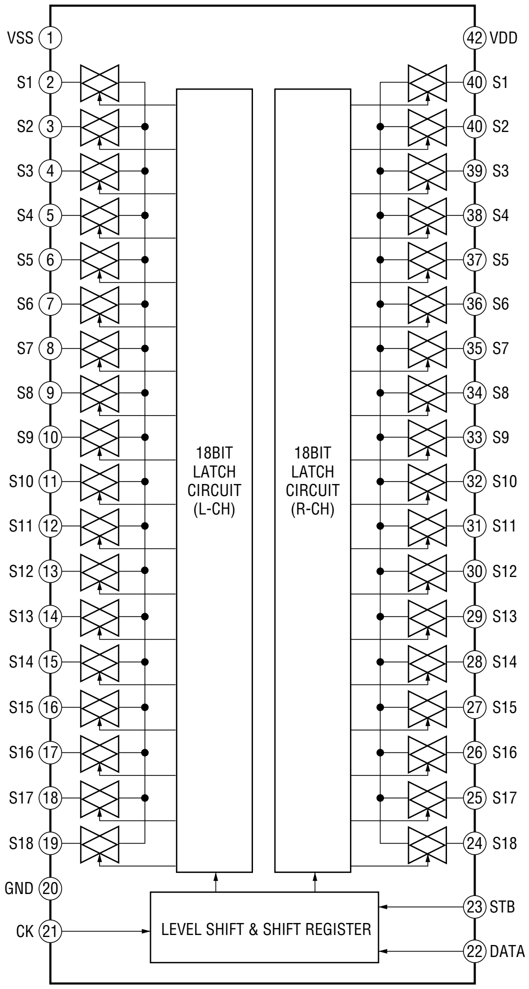
IC2812, 2862 CXD9725M
IC2912, 2962 CXD9725M


NC 1
VSS 2
TRIM 3
TRIM 4
TRIM 5
OUT 6
VRGND 7
NC 8
VRIN 9
NC 10
CS1 11
GND 12
CLK 13
NC 14
28 NC
26 VDD
26 TRIM
25 TRIM
24 TRIM
23 OUT
22 VRGND
21 NC
20 VRIN
19 NC
18 CS2
17 LAT
16 DATA
15 NC
TRIM VOLUME 0-+24dB/ 1dB STEP
TRIM VOLUME 0-+24dB/ 1dB STEP
MAIN VOLUME 0- –95dB/ 0.5dB STEP
MAIN VOLUME 0- –95dB/ 0.5dB STEP
5 to 25 DECODER & LATCH CIRCUIT
5 to 25 DECODER & LATCH CIRCUIT
4 to 13 DECODER & LATCH CIRCUIT
4 to 13 DECODER & LATCH CIRCUIT
4 to 16 DECODER & LATCH CIRCUIT
4 to 16 DECODER & LATCH CIRCUIT
24 BIT SHIFT REGISTER CIRCUIT
LEVEL SHIFT CIRCUIT

IC601 TC9273N-013

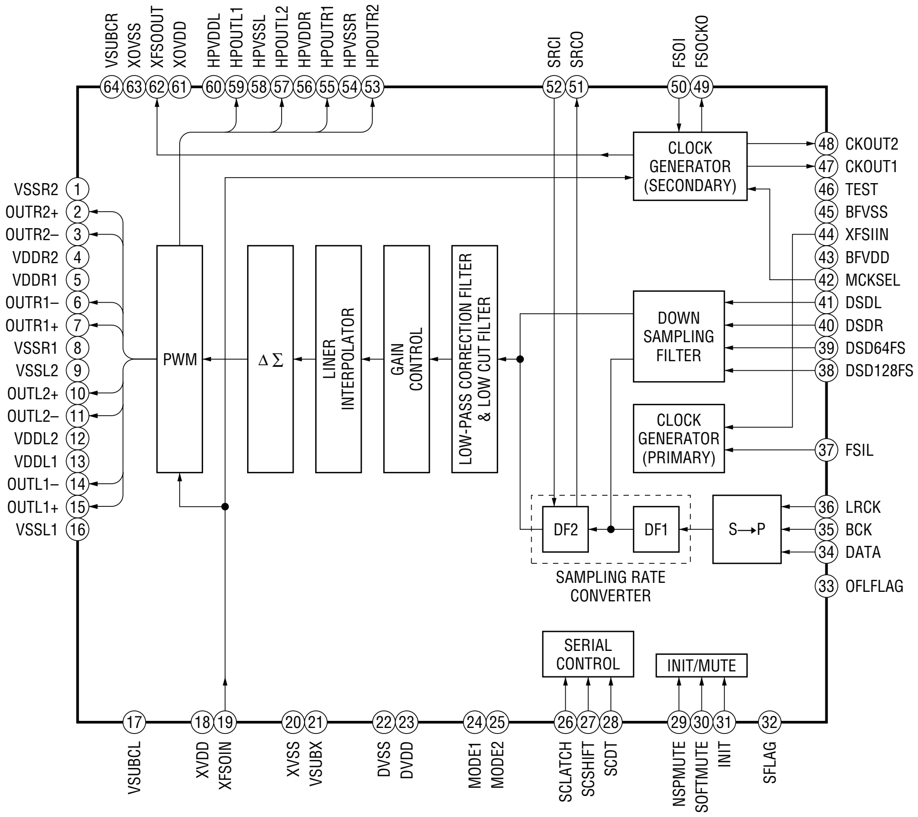

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
GND 13
CK 14
28 VDD
27 S1
26 S2
25 S3
24 S4
23 S5
22 S6
21 S7
20 S8
19 S9
18 S10
17 S11
16 STB
15 DATA
10BIT LATCH CIRCUIT (L-CH)
10BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

IC401 TC9274N-015
IC501 TC9274N-015

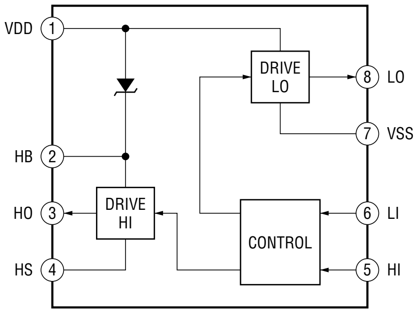

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
S12 13
S13 14
S14 15
S15 16
S16 17
S17 18
S18 19
GND 20
CK 21
18BIT LATCH CIRCUIT (L-CH)
18BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER
42 VDD
40 S1
40 S2
39 S3
38 S4
37 S5
36 S6
35 S7
34 S8
33 S9
32 S10
31 S11
30 S12
29 S13
28 S14
27 S15
26 S16
25 S17
24 S18
23 STB
22 DATA

– D-AMP Board –

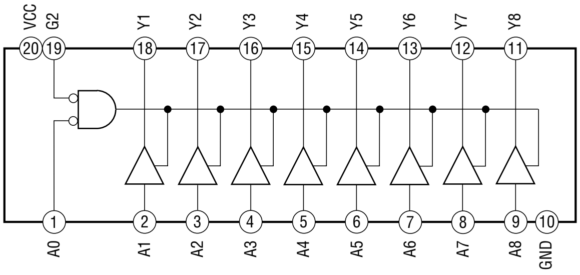
IC1402 CXD9773AQ
IC1412 CXD9773AQ
IC1422 CXD9773AQ
IC1432 CXD9773AQ


VSUBCR 64
XOVSS 63
XFSOOUT 62
XOVDD 61
HPVDDL 60
HPOUTL1 59
HPVSSL 58
HPOUTL2 57
HPVDDR 56
HPOUTR1 55
HPVSSR 54
HPOUTR2 53
SRCI 52
SRCO 51
FSOI 50
FSOCKO 49
CKOUT2 48
CKOUT1 47
TEST 46
BFVSS 45
XFSIIN 44
BFVDD 43
MCKSEL 42
DSDL 41
DSDR 40
DSD64FS 39
DSD128FS 38
FSIL 37
LRCK 36
BCK 35
DATA 34
OFLFLAG 33
SFLAG 32
INIT 31
SOFTMUTE 30
NSPMUTE 29
SCDT 28
SCSHIFT 27
SCLATCH 26
MODE2 25
MODE1 24
DVDD 23
DVSS 22
VSUBX 21
XVSS 20
XFSOIN 19
XVDD 18
VSUBCL 17
VSSR2 1
OUTR2+ 2
OUTR2– 3
VDDR2 4
VDDR1 5
OUTR1– 6
OUTR1+ 7
VSSR1 8
VSSL2 9
OUTL2+ 10
OUTL2– 11
VDDL2 12
VDDL1 13
OUTL1– 14
OUTL1+ 15
VSSL1 16
CLOCK GENERATOR (SECONDARY)
PWM
Δ Σ
LINER INTERPOLATOR
GAIN CONTROL
LOW-PASS CORRECTION FILTER & LOW CUT FILTER
DOWN SAMPLING FILTER
CLOCK GENERATOR (PRIMARY)
DF2
DF1
S→P
SAMPLING RATE CONVERTER
SERIAL CONTROL
INIT/MUTE

IC1407, 1408 HIP2101IBZT
IC1411, 1413 HIP2101IBZT
IC1416, 1418 HIP2101IBZT
IC1423, 1424 HIP2101IBZT
IC1427, 1428 HIP2101IBZT
IC1431, 1433 HIP2101IBZT
IC1436, 1437 HIP2101IBZT

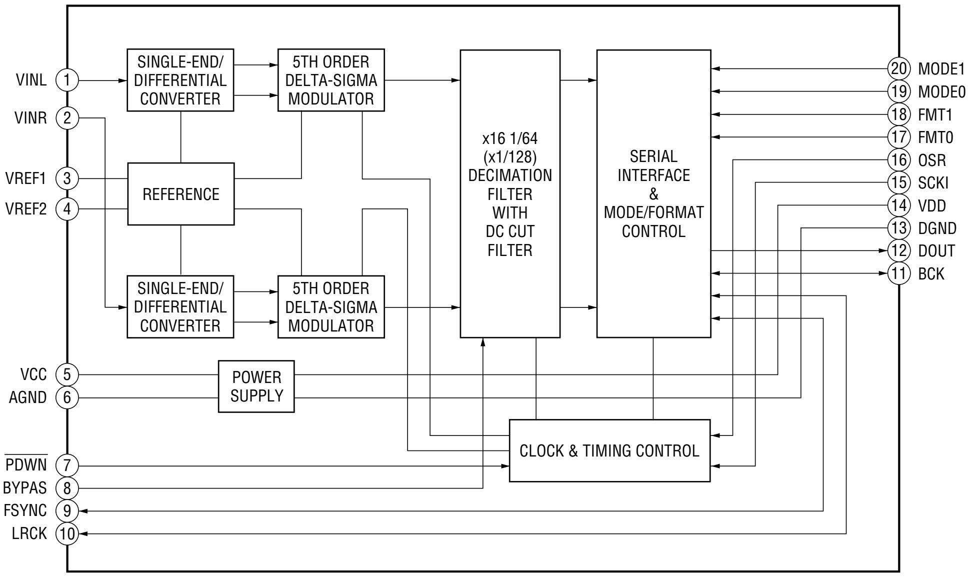

VDD 1
HB 2
HO 3
HS 4
HI 5
LI 6
VSS 7
LO 8
DRIVE LO
DRIVE HI
CONTROL

IC1417, 1419 TC74VHC541FT (EL)

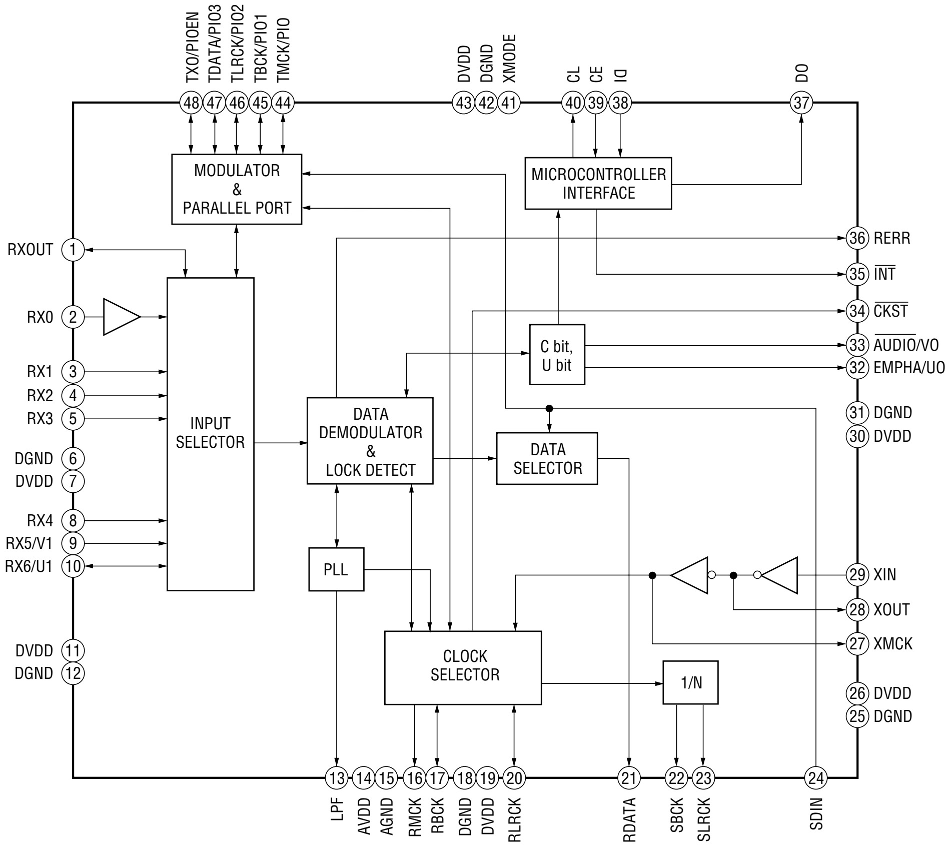

VCC 20
G2 19
Y1 18
Y2 17
Y3 16
Y4 15
Y5 14
Y6 13
Y7 12
Y8 11
A0 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
GND 10

– DIGITAL Board –

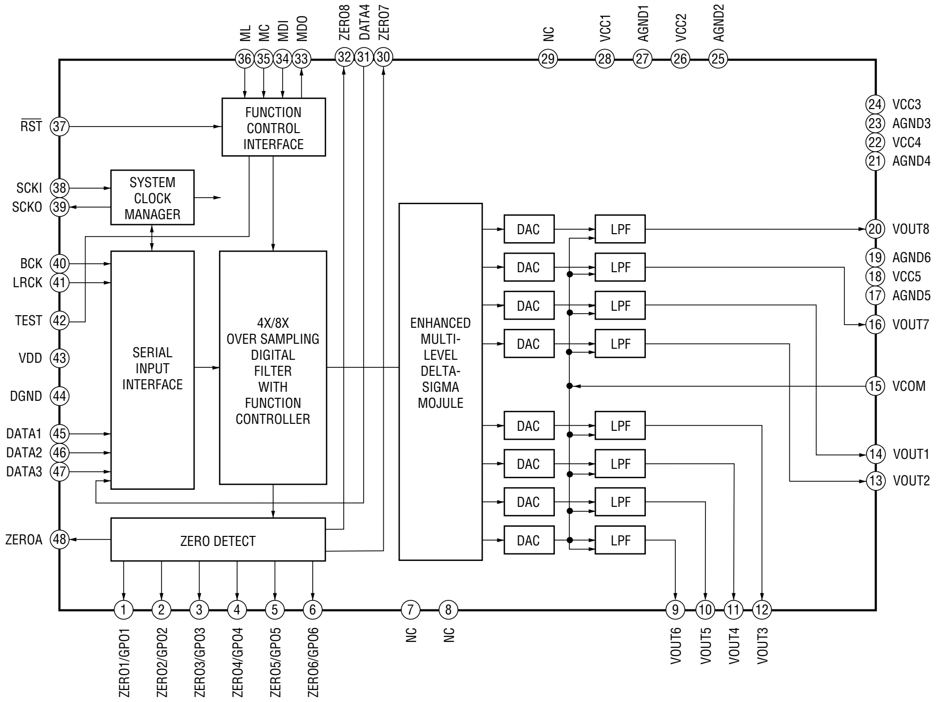
IC2024, 2025 CXD9856N
IC2026, 2031 CXD9856N


VINL
1
VINR
2
VREF1
3
VREF2
4
VCC
5
AGND
6
PDWN
7
BYPAS
8
FSYNC
9
LRCK
10
SINGLE-END/ DIFFERENTIAL CONVERTER
5TH ORDER DELTA-SIGMA MODULATOR
REFERENCE
SINGLE-END/ DIFFERENTIAL CONVERTER
5TH ORDER DELTA-SIGMA MODULATOR
POWER SUPPLY
x16 1/64 (x1/128) DECIMATION FILTER WITH DC CUT FILTER
SERIAL INTERFACE & MODE/FORMAT CONTROL
CLOCK & TIMING CONTROL
20
MODE1
19
MODE0
18
FMT1
17
FMT0
16
OSR
15
SCKI
14
VDD
13
DGND
12
DOUT
11
BCK

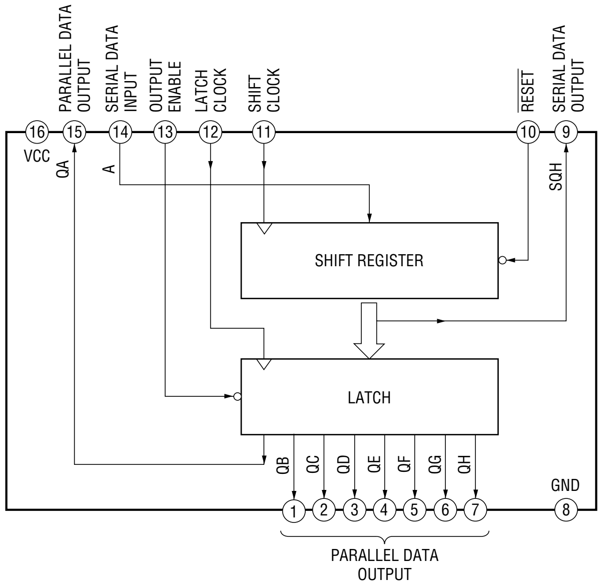
IC2006 LC89057W-VF4A-E


TXO/PIOEN
TDATA/PIO3
TLRCK/PIO2
TBCK/PIO1
TMCK/PIO
48
47
46
45
44
DVDD
DGND
XMODE
43
42
41
CL
CE
DI
40
39
38
DO
37
MODULATOR & PARALLEL PORT
MICROCONTROLLER INTERFACE
RXOUT
1
RX0
2
RX1
3
RX2
4
RX3
5
DGND
6
DVDD
7
RX4
8
RX5/V1
9
RX6/U1
10
DVDD
11
DGND
12
INPUT SELECTOR
DATA DEMODULATOR & LOCK DETECT
C bit, U bit
DATA SELECTOR
PLL
CLOCK SELECTOR
1/N
36
RERR
35
INT
34
CKST
33
AUDIO/VO
32
EMPHA/UO
31
DGND
30
DVDD
29
XIN
28
XOUT
27
XMCK
26
DVDD
25
DGND
13
14
15
16
17
18
19
20
21
22
23
24
LPF
AVDD
AGND
RMCK
RBCK
DGND
DVDD
RLRCK
RDATA
SBCK
SLRCK
SDIN

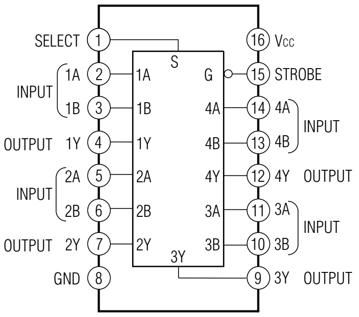
IC2034 PCM1609KPTR


ML
MC
MDI
MDO
ZERO8
DATA4
ZERO7
NC
VCC1
AGND1
VCC2
AGND2
36
35
34
33
32
31
30
29
28
27
26
25
24 VCC3
23 AGND3
22 VCC4
21 AGND4
20 VOUT8
19 AGND6
18 VCC5
17 AGND5
16 VOUT7
15 VCOM
14 VOUT1
13 VOUT2
RST 37
SCKI 38
SCKO 39
BCK 40
LRCK 41
TEST 42
VDD 43
DGND 44
DATA1 45
DATA2 46
DATA3 47
ZEROA 48
FUNCTION CONTROL INTERFACE
SYSTEM CLOCK MANAGER
SERIAL INPUT INTERFACE
4X/8X OVER SAMPLING DIGITAL FILTER WITH FUNCTION CONTROLLER
ENHANCED MULTI-LEVEL DELTA-SIGMA MOJULE
DAC
LPF
ZERO DETECT
1
2
3
4
5
6
7
8
9
10
11
12
ZERO1/GPO1
ZERO2/GPO2
ZERO3/GPO3
ZERO4/GPO4
ZERO5/GPO5
ZERO6/GPO6
NC
NC
VOUT6
VOUT5
VOUT4
VOUT3

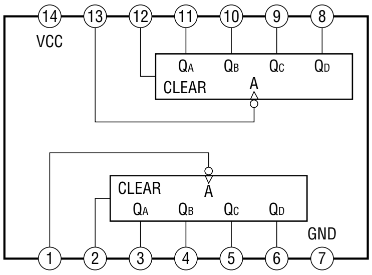
IC2012, SN74HC595ANS
IC2044, 2045 SN74HC595ANS


PARALLEL DATA OUTPUT
SERIAL DATA INPUT
OUTPUT ENABLE
LATCH CLOCK
SHIFT CLOCK
RESET
SERIAL DATA OUTPUT
16
15
14
13
12
11
10
9
VCC
QA
A
SQH
SHIFT REGISTER
LATCH
QB
QC
QD
QE
QF
QG
QH
GND
1
2
3
4
5
6
7
8
PARALLEL DATA OUTPUT

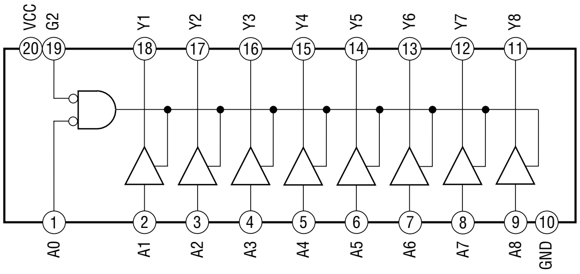
IC2018, 2019 TC74VHC157FT (EL)
IC2039 TC74VHC157FT (EL)


SELECT 1
INPUT 1A 2
1B 3
OUTPUT 1Y 4
INPUT 2A 5
2B 6
OUTPUT 2Y 7
GND 8
16 Vcc
15 STROBE
14 4A
13 4B
INPUT
12 4Y OUTPUT
11 3A
10 3B
INPUT
9 3Y OUTPUT
S
G
1A
1B
1Y
2A
2B
2Y
3Y
4A
4B
4Y
3A
3B

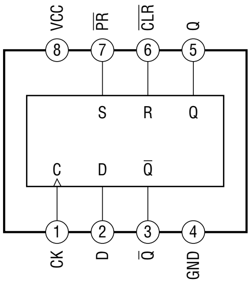
IC2017 TC74VHC393FT (EL)


14
13
12
11
10
9
8
VCC
QA
QB
QC
QD
CLEAR
A
CLEAR
A
QA
QB
QC
QD
GND
1
2
3
4
5
6
7

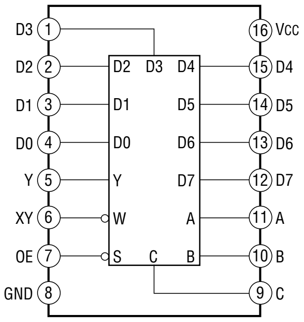
IC2038 TC74VHC541FT (EL)


VCC
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
20
19
18
17
16
15
14
13
12
11
1
2
3
4
5
6
7
8
9
10
A0
A1
A2
A3
A4
A5
A6
A7
A8
GND

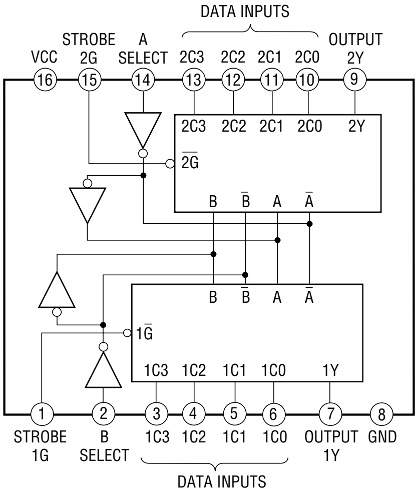
IC2022 TC7WH74FU (TE12R)
IC2032 TC7WH74FU (TE12R)
IC2033 TC7WH74FU (TE12R)
IC2036 TC7WH74FU (TE12R)


VCC
PR
CLR
Q
8
7
6
5
S
R
Q
C
D
Q̄
1
2
3
4
CK
D
Q̄
GND

IC2009 TC74HC151AF (EL)

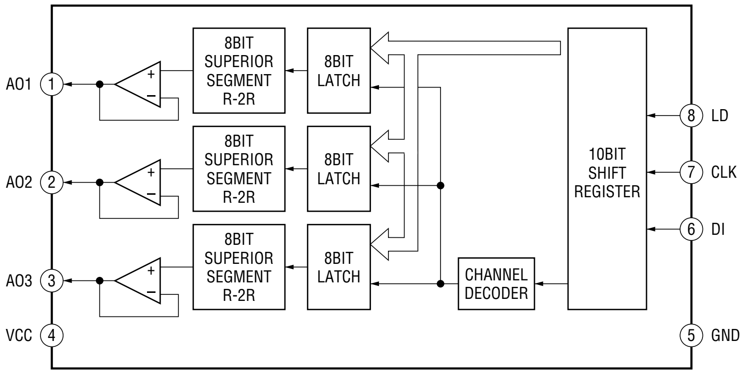

D3 1
D2 2
D1 3
D0 4
Y 5
XY 6
OE 7
GND 8
16 Vcc
15 D4
14 D5
13 D6
12 D7
11 A
10 B
9 C
D2
D3
D4
D1
D5
D0
D6
Y
D7
W
A
S
C
B

IC2020 TC74VHC153FT (EL)

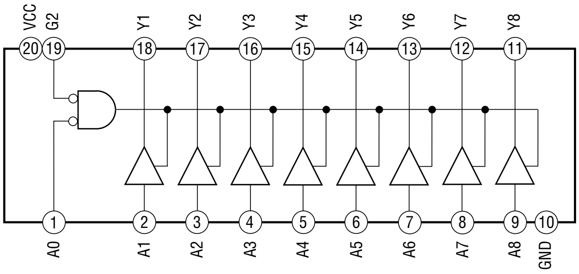

DATA INPUTS
STROBE 2G
A SELECT
OUTPUT 2Y
VCC
2C3
2C2
2C1
2C0
16
15
14
13
12
11
10
9
2C3
2C2
2C1
2C0
2Y
2G
B
B̄
A
Ā
B
B̄
A
Ā
1G
1C3
1C2
1C1
1C0
1Y
1
2
3
4
5
6
7
8
STROBE 1G
B SELECT
1C3
1C2
1C1
1C0
OUTPUT 1Y
GND
DATA INPUTS

– MOTHER COM Board –

IC5301 M62343FP

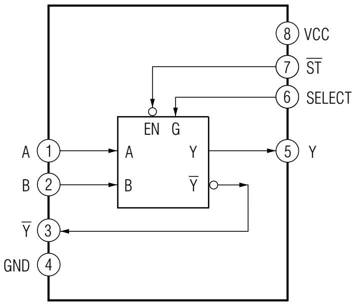

8BIT SUPERIOR SEGMENT R-2R
8BIT LATCH
10BIT SHIFT REGISTER
CHANNEL DECODER
AO1 1
AO2 2
AO3 3
VCC 4
GND 5
DI 6
CLK 7
LD 8

IC5345 TC74VHC541FT (EL)

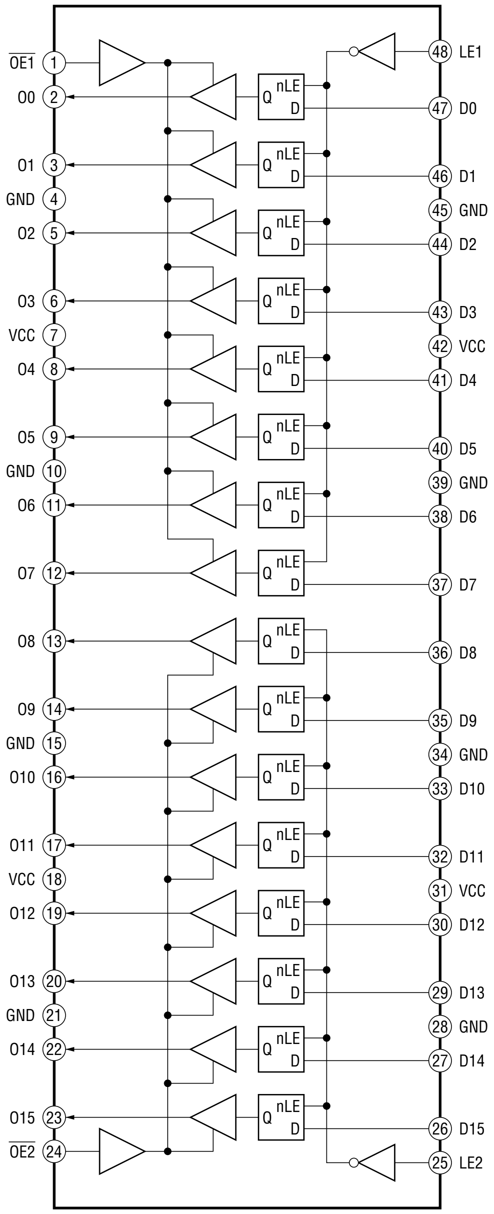

VCC 20
G2 19
Y1 18
Y2 17
Y3 16
Y4 15
Y5 14
Y6 13
Y7 12
Y8 11
A0 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
GND 10

– DSP Board –

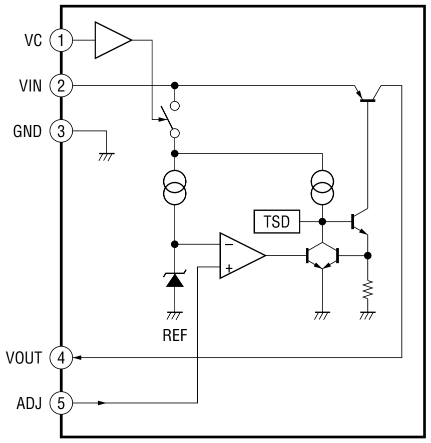
IC4 TC7WH157FK (TE85R)


8 VCC
7 $\overline{ST}$
6 SELECT
5 Y
A 1
B 2
$\overline{Y}$ 3
GND 4
EN G
A
B
Y
$\overline{Y}$

IC6 MC74LCX16373DTR2

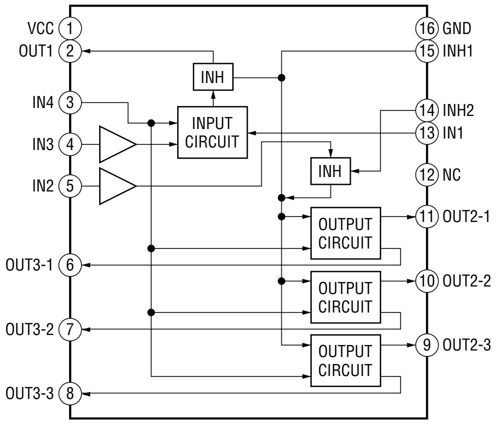

OE1 1
O0 2
O1 3
GND 4
O2 5
O3 6
VCC 7
O4 8
O5 9
GND 10
O6 11
O7 12
O8 13
O9 14
GND 15
O10 16
O11 17
VCC 18
O12 19
O13 20
GND 21
O14 22
O15 23
OE2 24
48 LE1
47 D0
46 D1
45 GND
44 D2
43 D3
42 VCC
41 D4
40 D5
39 GND
38 D6
37 D7
36 D8
35 D9
34 GND
33 D10
32 D11
31 VCC
30 D12
29 D13
28 GND
27 D14
26 D15
25 LE2
Q
nLE
D

IC1 SI-3010KM-TL


VC 1
VIN 2
GND 3
VOUT 4
ADJ 5
TSD
REF
−
+

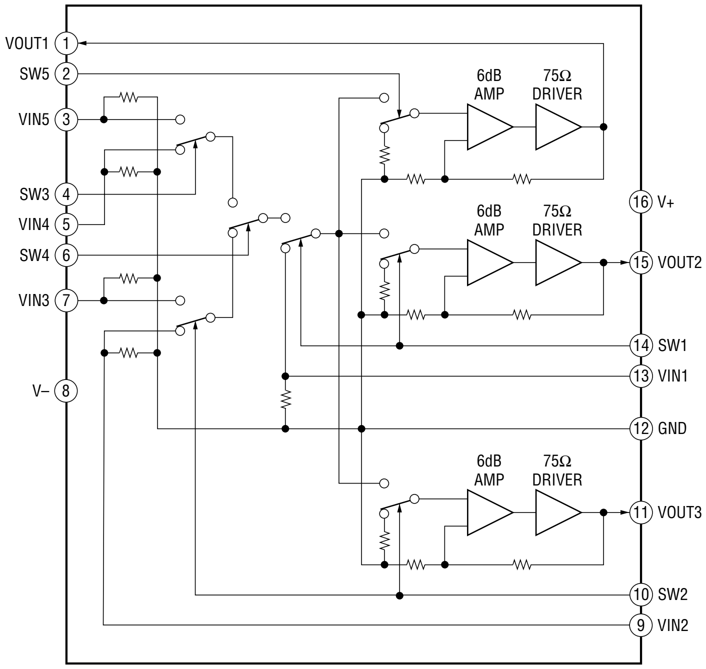
– CIS Board –

IC861 NJM2145M-TE2

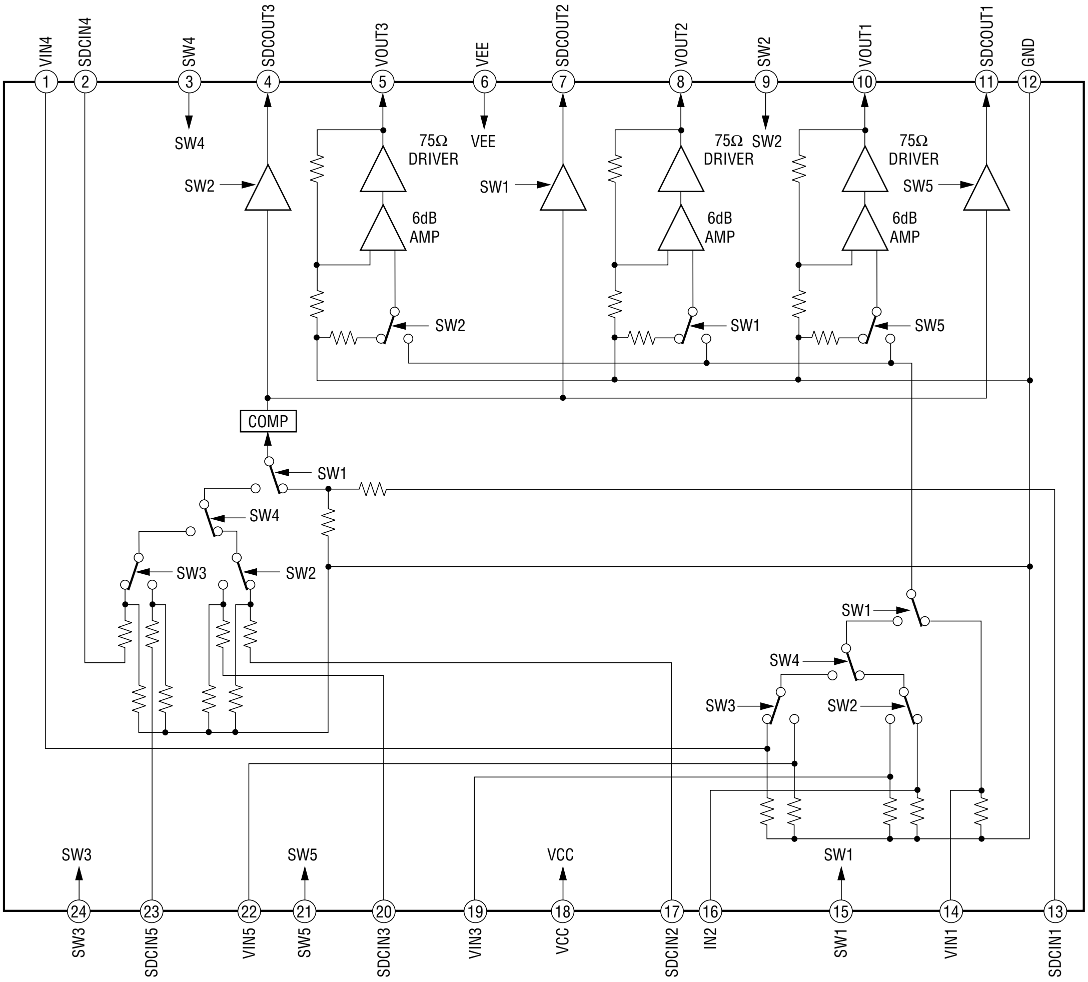

VCC 1
OUT1 2
IN4 3
IN3 4
IN2 5
OUT3-1 6
OUT3-2 7
OUT3-3 8
16 GND
15 INH1
14 INH2
13 IN1
12 NC
11 OUT2-1
10 OUT2-2
9 OUT2-3
INH
INPUT CIRCUIT
INH
OUTPUT CIRCUIT
OUTPUT CIRCUIT
OUTPUT CIRCUIT

– S-VIDEO Board –

IC701 NJM2595M-TE2

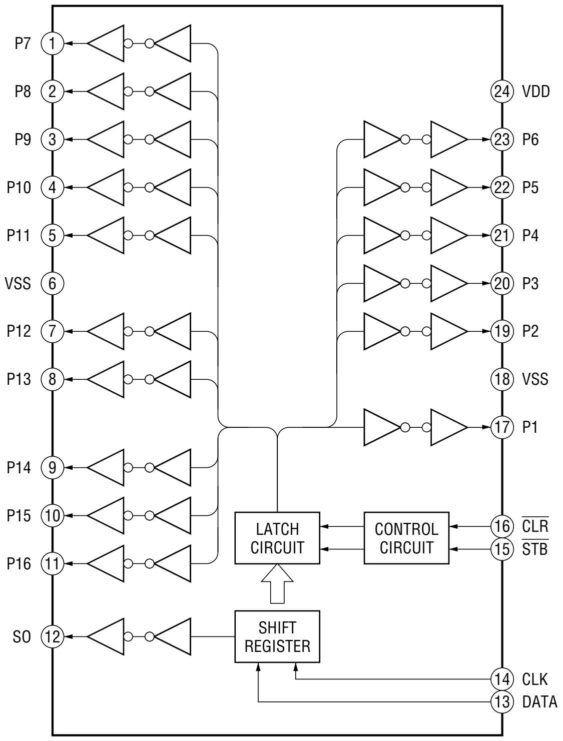

VOUT1 1
SW5 2
VIN5 3
SW3 4
VIN4 5
SW4 6
VIN3 7
V– 8
16 V+
15 VOUT2
14 SW1
13 VIN1
12 GND
11 VOUT3
10 SW2
9 VIN2
6dB AMP
75Ω DRIVER
6dB AMP
75Ω DRIVER
6dB AMP
75Ω DRIVER

IC702 NJM2596M (TE2)


VIN4
SDCIN4
SW4
SDCOUT3
VOUT3
VEE
SDCOUT2
VOUT2
SW2
VOUT1
SDCOUT1
GND
1
2
3
4
5
6
7
8
9
10
11
12
SW4
75Ω DRIVER
VEE
75Ω SW2 DRIVER
75Ω DRIVER
SW2
SW1
SW5
6dB AMP
6dB AMP
6dB AMP
SW2
SW1
SW5
COMP
SW1
SW4
SW3
SW2
SW1
SW4
SW3
SW2
SW3
SW5
VCC
SW1
24
23
22
21
20
19
18
17
16
15
14
13
SW3
SDCIN5
VIN5
SW5
SDCIN3
VIN3
VCC
SDCIN2
IN2
SW1
VIN1
SDCIN1

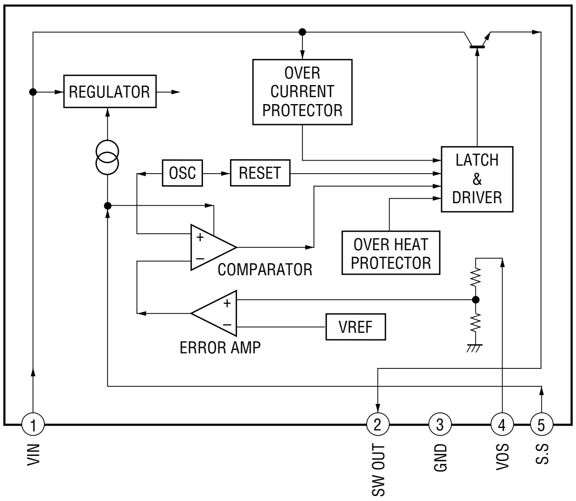
– FL Board –

IC1004 NJU3716M-TE2


P7 1
P8 2
P9 3
P10 4
P11 5
VSS 6
P12 7
P13 8
P14 9
P15 10
P16 11
SO 12
24 VDD
23 P6
22 P5
21 P4
20 P3
19 P2
18 VSS
17 P1
16 CLR
15 STB
14 CLK
13 DATA
LATCH CIRCUIT
CONTROL CIRCUIT
SHIFT REGISTER

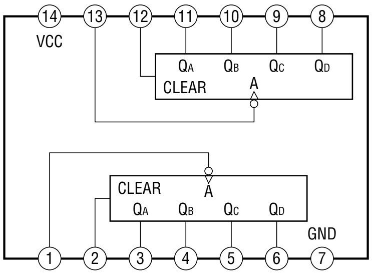
– HDMI POWER Board –

IC5401 SI-8050S-LF1101

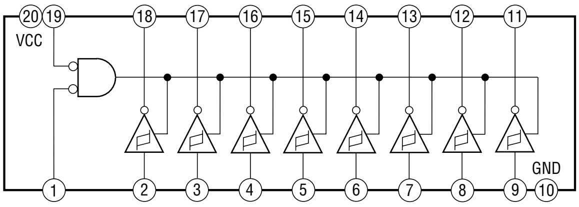

REGULATOR
OVER CURRENT PROTECTOR
OSC
RESET
LATCH & DRIVER
COMPARATOR
OVER HEAT PROTECTOR
ERROR AMP
VREF
1
2
3
4
5
VIN
SW OUT
GND
VOS
S.S

– SP-TERM COM Board –

IC5116 TC74VHC393F (EL)


14
13
12
11
10
9
8
VCC
QA
QB
QC
QD
CLEAR
A
CLEAR
A
QA
QB
QC
QD
GND
1
2
3
4
5
6
7

IC5117 TC74VHC540FT (EL)


20
19
18
17
16
15
14
13
12
11
VCC
GND
1
2
3
4
5
6
7
8
9
10

SECTION 7
EXPLODED VIEWS

NOTE:

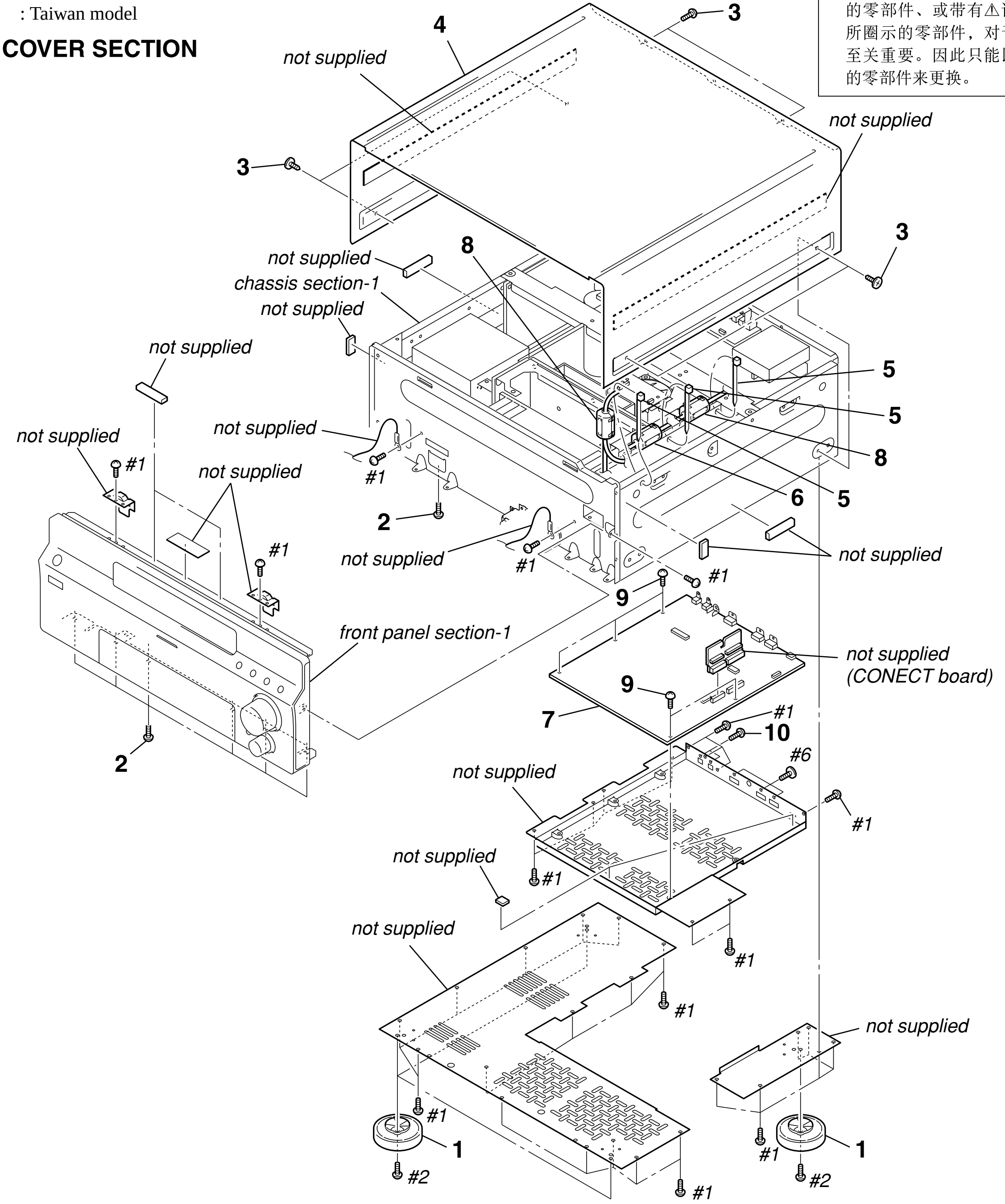
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  TW : Taiwan model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.
- Color variation
  SILVER : US, Canadian, Chinese, Korean, Taiwan models
  BLACK : US, Canadian models

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

7-1. COVER SECTION

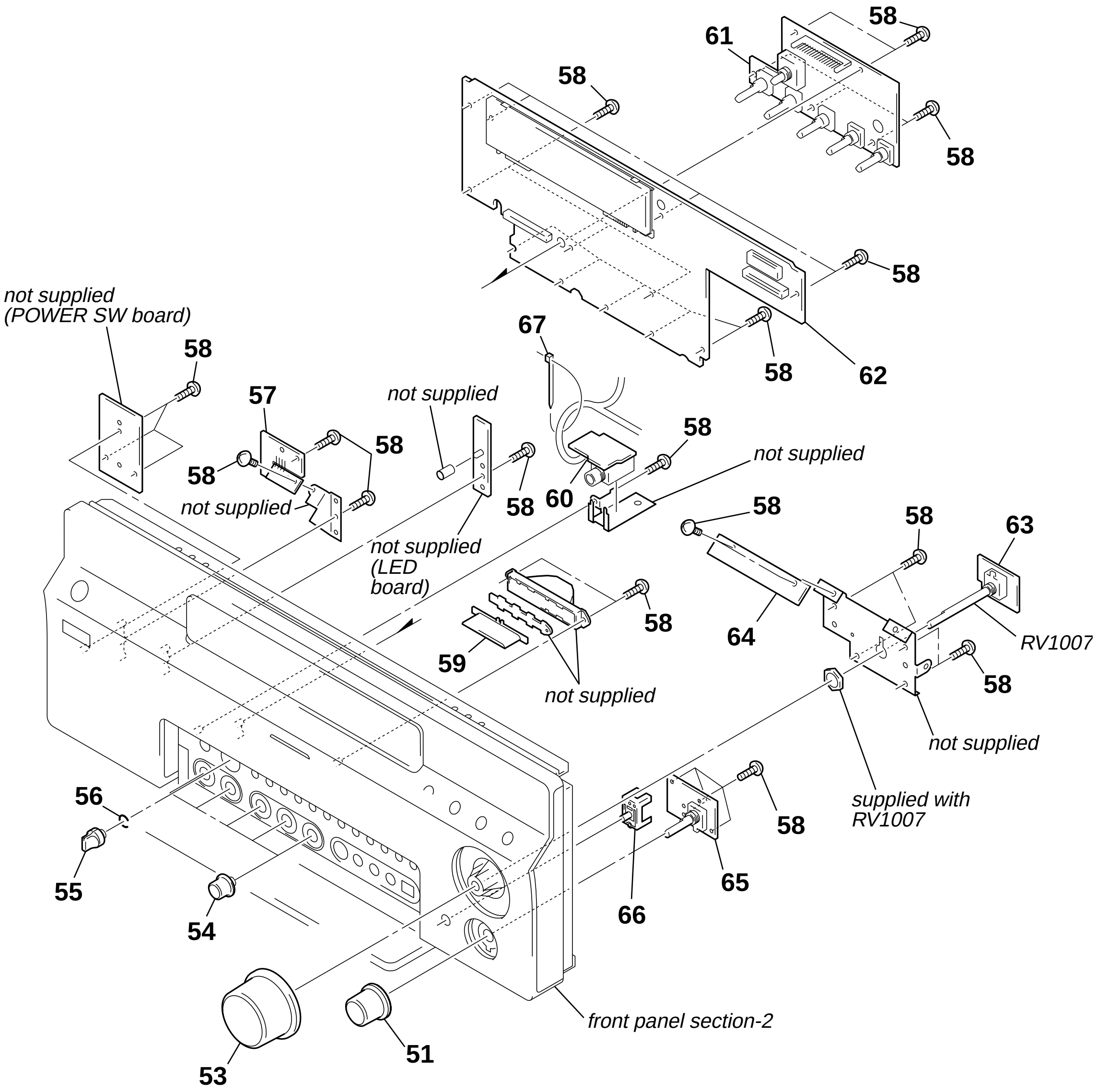

3
4
not supplied
3
not supplied
3
8
not supplied
chassis section-1
not supplied
not supplied
5
5
8
6
5
not supplied
#1
not supplied
not supplied
#1
not supplied
#1
2
#1
not supplied
#1
#1
9
front panel section-1
not supplied
(CONECT board)
9
7
#1
10
#6
2
not supplied
#1
not supplied
#1
not supplied
#1
#1
not supplied
#1
1
#2
#1
#1
1
#2

Ref. No.	Part No.	Description	Remark
1	X-4955-348-1	FOOT ASSY	
2	3-704-515-22	SCREW (BV/RING)	
3	4-227-843-03	SCREW (TP), FLAT HEAD (for BLACK)	
3	4-227-843-31	SCREW (TP), FLAT HEAD (for SILVER)	
4	4-222-052-92	CASE (BLACK)	
4	4-247-044-11	CASE (SILVER)	
5	3-655-653-11	BAND (TAITON), BINDING	
6	1-400-061-11	CLAMP, FERRITE (CLAMP FILTER)	
◊ 7	A-1126-993-A	ILINK BOARD, COMPLERTE (for SERVICE)	
8	1-469-969-11	CLAMP, FERRITE	
9	3-077-331-21	+BV3 (3-CR)	
10	4-974-510-11	SCREW (+BV 3X8 CU)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-885-09	SCREW +BVTT 4X16 (S)	
#6	7-682-547-04	SCREW +B 3X6	

New part of flash memory (IC3001) on the ILINK board cannot be used. Therefore, if the mounted ILINK board is replaced, exchange new flash memory (IC3001) with that used before the replacement.

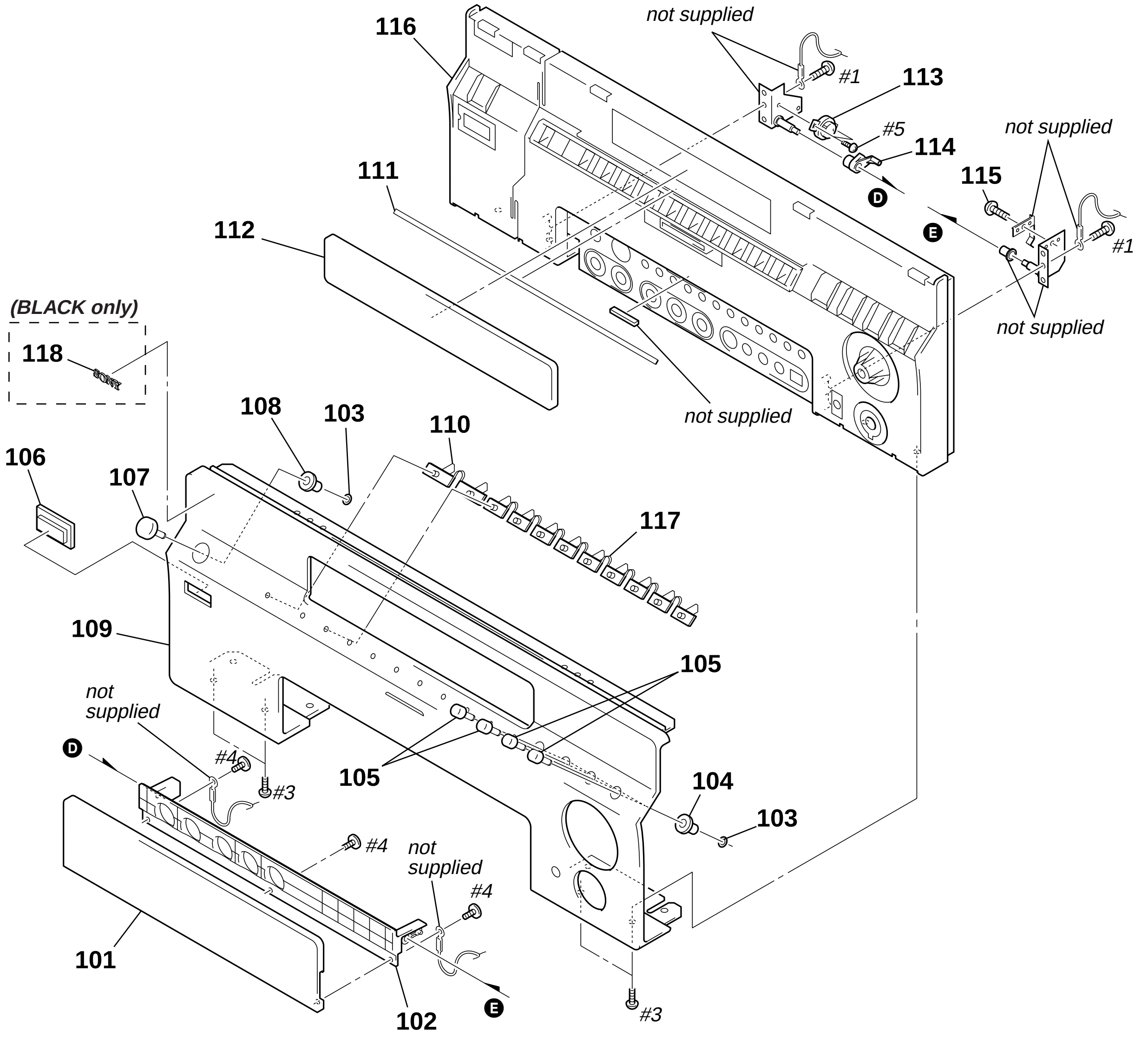
◊ Please refer to "NOTE OF HANDLING THE ILINK BOARD (Part No. A-1126-993-A)" on the service note (Page 5) for handling of this board.

7-2. FRONT PANEL SECTION-1


58
61
58
58
58
not supplied
(POWER SW board)
67
58
58
62
57
not supplied
58
58
not supplied
58
58
60
not supplied
58
58
63
not supplied
(LED
board)
58
64
RV1007
59
not supplied
58
not supplied
56
supplied with
RV1007
58
55
65
54
66
front panel section-2
51
53

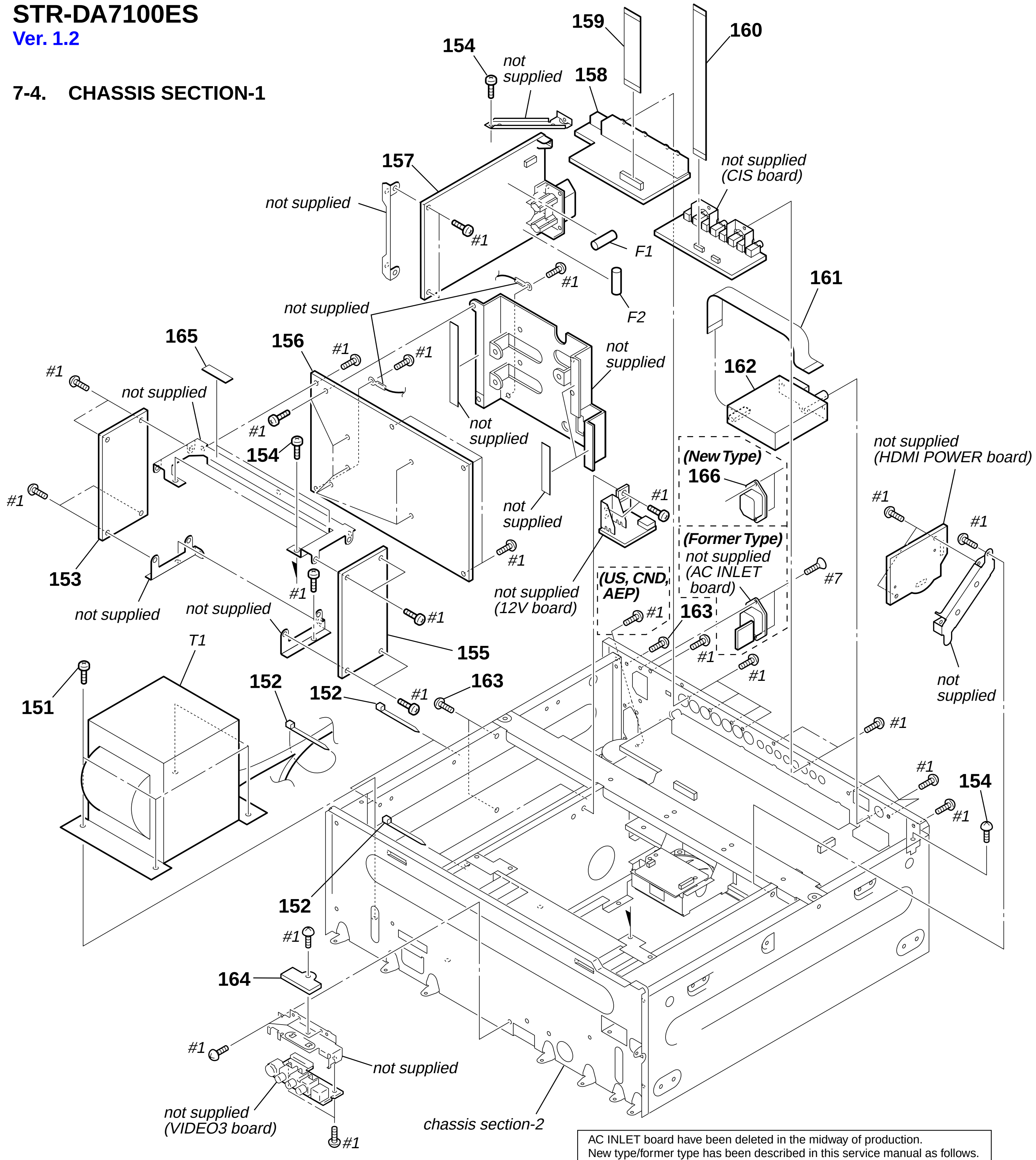
Ref. No.	Part No.	Description	Remark
51	X-4955-651-2	KNOB (SEL) ASSY (SILVER)	
51	X-4955-656-2	KNOB (SEL) ASSY (BLACK)	
53	X-4955-650-2	KNOB (VOL) ASSY (SILVER)	
53	X-4955-657-2	KNOB (VOL) ASSY (BLACK)	
54	4-246-104-01	KNOB (MENU) (SILVER)	
54	4-246-104-21	KNOB (MENU) (BLACK)	
55	4-246-103-02	KNOB (SPEAKER) (SILVER)	
55	4-246-103-22	KNOB (SPEAKER) (BLACK)	
56	3-354-981-11	SPRING (SUS), RING	
57	1-860-316-11	POWER SW SUB BOARD	
58	3-087-053-01	+BVTP2.6 (3CR)	
59	4-246-109-01	INDICATOR (C)	
60	1-688-723-11	HP BOARD	
61	1-688-724-11	JOG BOARD	
62	A-1066-262-A	FL BOARD, COMPLETE	
63	1-688-727-11	VOL BOARD	
64	1-688-729-11	KEY BOARD BOARD	
65	1-688-726-11	FUNCTION BOARD	
66	4-246-118-01	BUTTON (INPUT) (SILVER)	
66	4-246-118-21	BUTTON (INPUT) (BLACK)	
67	3-655-653-21	BAND (TAITON), BINDING	
RV1007	1-477-382-11	ENCODER, ROTARY (MASTER VOLUME)	

7-3. FRONT PANEL SECTION-2


116
not supplied
#1
113
#5
114
not supplied
115
#1
not supplied
111
112
(BLACK only)
118
not supplied
108
103
110
106
107
117
109
105
not supplied
D
#4
#3
105
104
103
#4
not supplied
#4
E
101
102
E
#3

Ref. No.	Part No.	Description	Remark
101	4-246-526-02	LID (SILVER)	
101	4-246-526-41	LID (BLACK)	
102	X-4955-632-2	ESCUTCHEON (LID) ASSY (for SILVER)	
102	X-4955-634-1	ESCUTCHEON (LID) ASSY (for BLACK)	
103	3-325-697-21	WASHER	
104	X-4955-653-1	ESCUTCHEON (DIA. 7) ASSY	
105	4-246-100-03	BUTTON (DIA. 7) (SILVER)	
105	4-246-100-23	BUTTON (DIA. 7) (BLACK)	
106	4-246-102-02	WINDOW (REMOTECONTROL)	
107	4-246-121-03	BUTTON (POWER) (SILVER)	
107	4-246-121-23	BUTTON (POWER) (BLACK)	
108	X-4955-652-2	ESCUTCHEON (POWER) ASSY	
109	2-067-133-11	PANEL, FRONT (SILVER) (US, CND)	
109	2-067-133-21	PANEL, FRONT (AEP)	
109	2-067-133-31	PANEL, FRONT (TW, KR, CH)	
109	2-067-133-41	PANEL, FRONT (BLACK) (US, CND)	
110	4-246-107-01	INDICATOR (A)	
111	4-249-861-01	PLATE, LIGHT INTERCEPTION	
112	4-246-538-01	PLATE, INDICATION (for SILVER)	
112	4-246-538-11	PLATE, INDICATION (for BLACK)	
113	4-240-391-01	DAMPER, OIL	
114	4-246-743-01	GEAR (DAMPER)	
115	3-087-053-01	+BVTP2.6 (3CR)	
116	X-2050-195-1	BASE ASSY, PANEL (SILVER)	
116	X-2102-329-1	BASE ASSY, PANEL (BLACK)	
117	4-246-108-01	INDICATOR (B)	
118	4-942-568-41	EMBLEM (No. 5), SONY (for BLACK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-536-19	SCREW +BTP 2.6X12 TYPE2 N-S	
#4	7-621-770-87	SCREW +B 2.6X5 (for SILVER)	
#4	7-621-775-20	SCREW +B 2.6X5 (for BLACK)	
#5	7-685-853-04	SCREW +BVTT 2X6 (S)	

7-4. CHASSIS SECTION-1

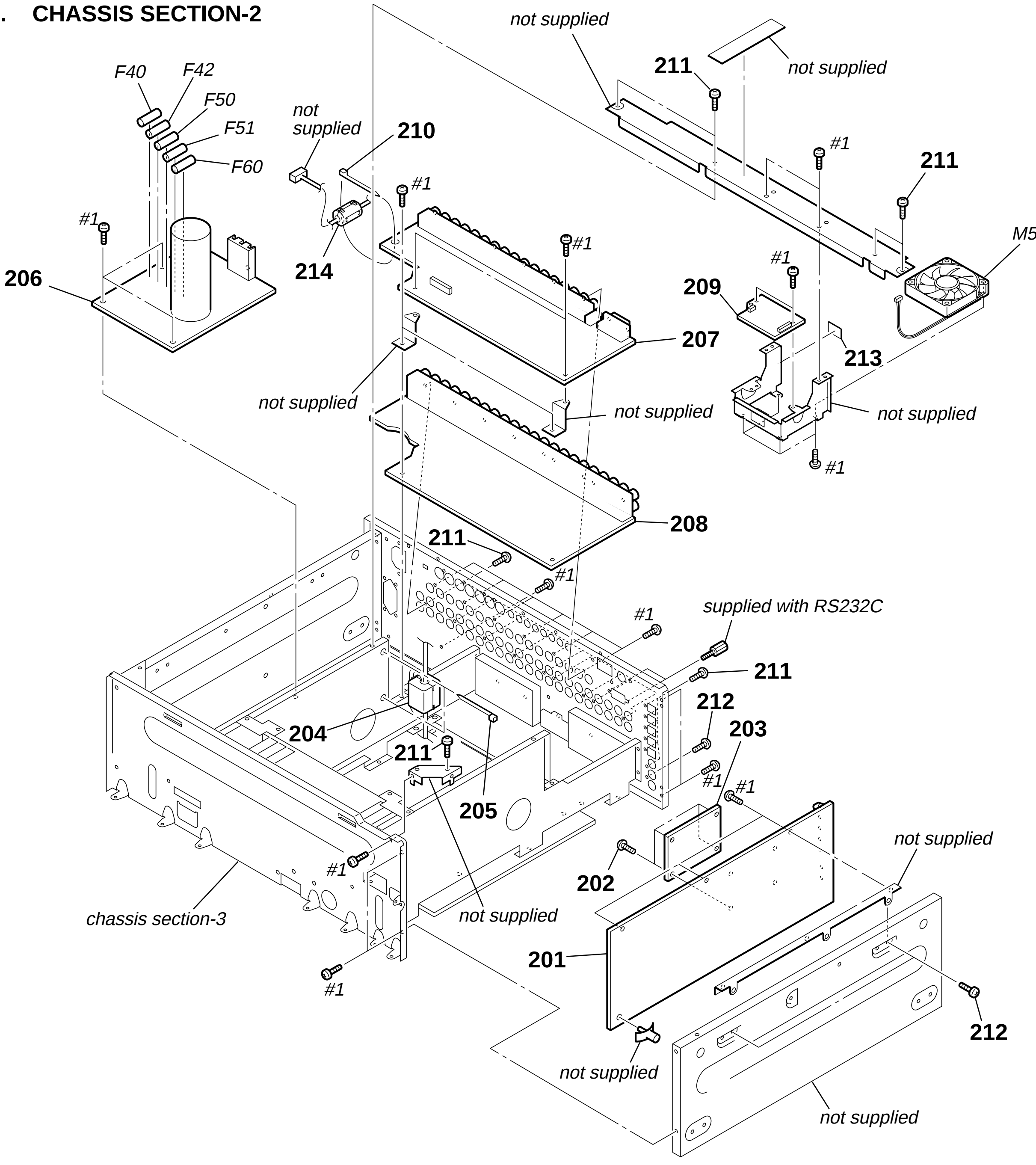

154
not supplied
159
158
160
157
not supplied
not supplied (CIS board)
#1
F1
#1
F2
161
not supplied
165
156
#1
#1
#1
not supplied
not supplied
162
#1
154
not supplied
(New Type)
166
not supplied (HDMI POWER board)
#1
not supplied
#1
#1
#1
153
not supplied
#1
(Former Type)
not supplied (AC INLET board)
#7
not supplied (12V board)
(US, CND, AEP)
#1
163
not supplied
not supplied
#1
#1
T1
155
#1
#1
151
152
152
#1
163
not supplied
#1
#1
154
#1
152
#1
164
#1
not supplied
not supplied (VIDEO3 board)
chassis section-2
#1

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

Ref. No.	Part No.	Description	Remark
151	4-394-596-01	SCREW (M5), TERMINAL	
152	3-655-653-21	BAND (TAITON), BINDING	
153	A-1099-057-A	FILTER-R BOARD, COMPLETE	
154	3-704-515-22	SCREW (BV/RING)	
155	A-1099-059-A	FILTER-L BOARD, COMPLETE	
156	A-1099-055-A	D-AMP BOARD, COMPLETE	
157	A-1099-312-A	AC DIF BOARD, COMPLETE (US, CND)	
157	A-1099-313-A	AC DIF BOARD, COMPLETE (AEP)	
157	A-1099-314-A	AC DIF BOARD, COMPLETE (TW)	
157	A-1113-687-A	AC DIF BOARD, COMPLETE (KR, CH)	
158	A-1126-557-A	S-VIDEO BOARD, COMPLETE	
159	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
160	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
161	1-769-944-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP)	
161	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP)	
162	1-693-577-31	TUNER (US, CND)	

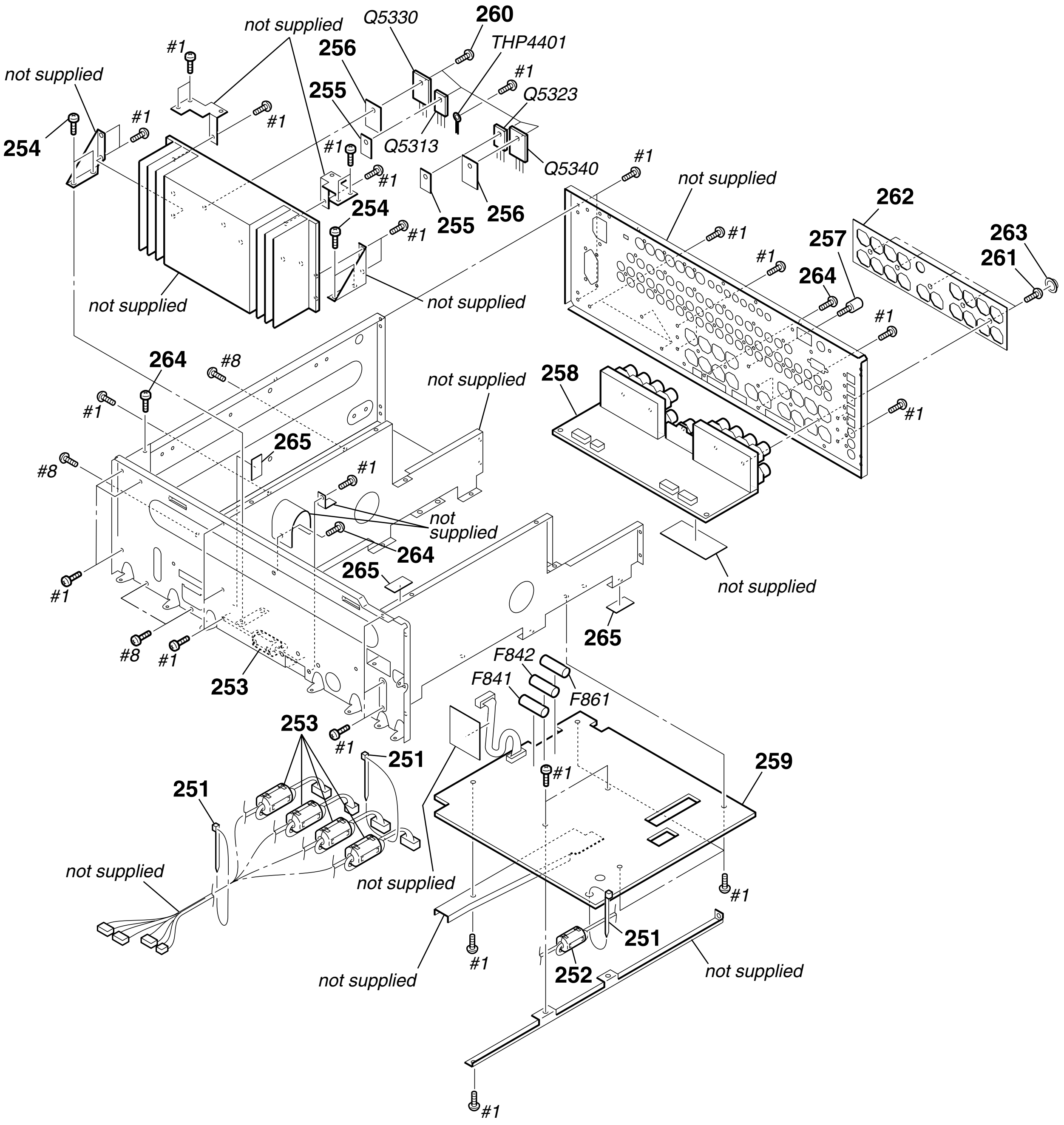
Ref. No.	Part No.	Description	Remark
162	1-693-578-41	TUNER (AEP)	
162	1-693-641-11	TUNER (TW, KR, CH)	
163	4-974-510-11	SCREW (+BV 3X8 CU)	
164	A-1129-323-A	V3-GND BOARD, COMPLETE	
165	3-314-057-01	CUSHION	
166	1-819-867-11	INLET, AC 2P (NEW TYPE)	
⚠F1	1-532-506-33	FUSE (T6.3AL/250V) (AEP, KR)	
⚠F1	1-576-332-33	FUSE, CYLINDRICAL (TIME LUG)(T10AL/250V) (US, CND, TW)	
⚠F2	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠T1	1-443-658-11	TRANSFORMER, POWER (US, CND)	
⚠T1	1-443-659-11	TRANSFORMER, POWER (AEP, KR, CH)	
⚠T1	1-443-660-11	TRANSFORMER, POWER (TW)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#7	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	

7-5. CHASSIS SECTION-2


not supplied
211
not supplied
F40
F42
F50
F51
F60
not supplied
210
#1
#1
211
M5001
#1
206
214
#1
#1
209
207
213
not supplied
not supplied
not supplied
#1
208
211
#1
#1
supplied with RS232C
211
212
203
204
211
#1
#1
205
#1
202
not supplied
chassis section-3
not supplied
201
#1
212
not supplied
not supplied

Ref. No.	Part No.	Description	Remark
201	A-1099-064-A	DIGITAL BOARD, COMPLETE (US, CND)	
201	A-1099-065-A	DIGITAL BOARD, COMPLETE (AEP)	
201	A-1099-066-A	DIGITAL BOARD, COMPLETE (TW, KR, CH)	
202	3-087-053-01	+BVTP2.6 (3CR)	
203	A-1066-267-A	DSP BOARD, COMPLETE	
204	1-500-037-11	CORE, FERRITE (WITH CASE)	
205	3-655-653-21	BAND (TAITON), BINDING	
206	A-1099-317-A	DC DIF BOARD, COMPLETE (US, CND)	
206	A-1099-318-A	DC DIF BOARD, COMPLETE (AEP)	
206	A-1099-319-A	DC DIF BOARD, COMPLETE (KR, CH)	
206	A-1099-320-A	DC DIF BOARD, COMPLETE (TW)	
207	A-1108-890-A	VIDEO BOARD, COMPLETE	
208	A-1099-050-A	ANALOG BOARD, COMPLETE	
209	A-1099-069-A	FAN BOARD, COMPLETE	
210	3-655-653-11	BAND (TAITON), BINDING	
211	3-704-515-22	SCREW (BV/RING)	
212	4-974-510-11	SCREW (+BV 3X8 CU)	
213	3-314-057-01	CUSHION	
214	1-400-061-11	CORE, FERRITE (CLAMP FILTER)	
⚠F40	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F42	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F50	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F51	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F60	1-532-506-33	FUSE (T2.5AL/250V)	
M5001	1-787-291-11	FAN, D.C	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-6. CHASSIS SECTION-3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F841
F861
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259
251
#1
not supplied
not supplied
#1
251
#1
252
not supplied
not supplied
#1

Ref. No.	Part No.	Description	Remark
251	3-655-653-21	BAND (TAITON), BINDING	
252	1-469-969-11	CLAMP, FERRITE	
253	1-400-061-11	CORE, FERRITE (CLAMP FILTER)	
254	4-974-510-11	SCREW (+BV 3X8 CU)	
255	4-383-023-01	SPACER, MICA	
256	4-879-937-11	SHEET, MICA	
257	4-947-010-01	SCREW, FEEDER FIXED	
258	A-1099-310-A	SP-TERM COM BOARD, COMPLETE	
259	A-1101-893-A	MOTHER COM BOARD, COMPLETE	
260	3-905-609-13	SCREW (TRANSISTOR)	
261	3-704-515-51	SCREW (BV/RING)	
262	2-546-671-01	SHEET, INSULATING	
263	4-251-318-11	COVER, PROTECTION	
264	3-704-515-22	SCREW (BV/RING)	
265	3-314-057-01	CUSHION	
⚠F841	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F842	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F861	1-532-465-33	FUSE (3.15A/250V)	
Q5313	6-702-390-01	IC MN2488-OPY-MK	
Q5323	6-702-390-01	IC MN2488-OPY-MK	
Q5330	6-550-629-01	TRANSISTOR 2SK1382	
Q5340	6-550-629-01	TRANSISTOR 2SK1382	
THP4401	1-817-728-11	SENSOR, THERMISTOR	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#8	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-3	

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean mode
  TW : Taiwan model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA... : μA... uPA... : μPA...
  uPB... : μPB... uPC... : μPC...
  uPD... : μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
		12V BOARD *********			
		< CAPACITOR >			
C5265	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
		< CONNECTOR >			
* CN5263	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< TRANSISTOR >			
Q5263	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R5255	1-216-813-11	METAL CHIP	220	5%	1/10W

****

Ref. No.	Part No.	Description			Remark
	A-1099-312-A	AC DIF BOARD, COMPLETE (US, CND)			
	A-1099-313-A	AC DIF BOARD, COMPLETE (AEP)			
	A-1099-314-A	AC DIF BOARD, COMPLETE (TW)			
	A-1113-687-A	AC DIF BOARD, COMPLETE (KR, CH) ************			
	1-533-189-11	FUSE HOLDER			
	1-533-217-41	HOLDER, FUSE (AEP)			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
⚠C1	1-113-925-11	CERAMIC	0.01uF	20%	250V
⚠C2	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, AEP)
⚠C3	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, AEP)
⚠C4	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, AEP)
C11	1-137-438-11	MYLAR	0.0082uF	5%	50V
C12	1-136-357-11	FILM	680PF	5%	100V
C13	1-112-093-11	ELECT	2200uF	20%	25V
C14	1-112-425-11	ELECT	6800uF	20%	25V
C15	1-137-150-11	FILM	0.01uF	5%	100V
C16	1-126-960-11	ELECT	1uF	20%	50V
C18	1-112-082-11	ELECT	4700uF	20%	10V
⚠C19	1-113-511-11	FILM	0.47uF	20%	275V
⚠C20	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, TW)
⚠C21	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C22	1-115-165-11	FILM	0.1uF	20%	275V
⚠C23	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C24	1-113-920-11	CERAMIC	0.0022uF	20%	250V
C25	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C26	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C28	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
⚠CN2	1-251-718-11	OUTLET (2 GANG), AC (US, CND)			
⚠CN2	1-785-285-11	OUTLET, AC (1P) (AEP)			
CN14	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN17	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D11	8-719-066-98	DIODE	RB051L-40TE25		
D12	8-719-066-98	DIODE	RB051L-40TE25		
D13	8-719-988-61	DIODE	1SS355TE-17		
D14	8-719-988-61	DIODE	1SS355TE-17		
D15	8-719-066-98	DIODE	RB051L-40TE25		
D16	8-719-066-98	DIODE	RB051L-40TE25		
D18	8-719-053-18	DIODE	1SR154-400TE-25		
D19	8-719-988-61	DIODE	1SS355TE-17		
		< EARTH TERMINAL >			
EP12	1-537-770-21	TERMINAL BOARD, GROUND			
		< IC >			
IC12	8-759-450-47	IC	BA05T		
		< LINE FILTER >			
⚠LF1	1-456-574-11	INDUCTOR	1.2mH		
⚠LF2	1-456-572-11	INDUCTOR	3.3mH (US, CND, TW)		
⚠LF2	1-456-573-11	INDUCTOR	8.2mH (AEP, KR, CH)		
		< TRANSISTOR >			
Q12	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q13	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q14	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q15	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q16	8-729-140-93	TRANSISTOR	2SB733-34		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R13	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R14	1-216-085-00	RES-CHIP	33K	5%	1/10W
R16	1-216-081-00	RES-CHIP	22K	5%	1/10W
R17	1-216-073-00	RES-CHIP	10K	5%	1/10W
R18	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R19	1-216-073-00	RES-CHIP	10K	5%	1/10W
R20	1-216-073-00	RES-CHIP	10K	5%	1/10W
R21	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R22	1-216-041-00	RES-CHIP	470	5%	1/10W
R23	1-216-073-00	RES-CHIP	10K	5%	1/10W
R24	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R27	1-219-237-11	SOLID	3.3M	20%	1/2W F
		< RELAY >			
⚠RY2	1-755-266-11	RELAY, AC POWER			
		< TRANSFORMER >			
⚠T2	1-435-162-21	TRANSFORMER, POWER (US, CND)			
⚠T2	1-435-163-21	TRANSFORMER, POWER (AEP, KR, CH)			
⚠T2	1-437-477-12	TRANSFORMER, POWER (TW)			

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AC INLET BOARD (FORMER TYPE)
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Ref. No.	Part No.	Description
		< CONNECTOR >
⚠CN1	1-818-979-11	INLET, AC (2P) (∼AC IN) (FORMER TYPE)
* CN16	1-695-044-11	PIN, CONNECTOR (3.96mm PITCH) 2P

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A-1099-050-A ANALOG BOARD, COMPLETE
****

Ref. No.	Part No.	Description			Remark
		< CAPACITOR/JUMPER RESISTOR >			
C101	1-112-114-11	ELECT	22uF	20%	50V
C121	1-112-114-11	ELECT	22uF	20%	50V
C122	1-112-097-11	ELECT	2.2uF	20%	50V
C142	1-112-097-11	ELECT	2.2uF	20%	50V
C161	1-112-114-11	ELECT	22uF	20%	50V
C162	1-112-097-11	ELECT	2.2uF	20%	50V
C182	1-112-097-11	ELECT	2.2uF	20%	50V
C201	1-112-114-11	ELECT	22uF	20%	50V
C221	1-112-114-11	ELECT	22uF	20%	50V
C222	1-112-097-11	ELECT	2.2uF	20%	50V
C242	1-112-097-11	ELECT	2.2uF	20%	50V
C261	1-112-114-11	ELECT	22uF	20%	50V
C262	1-112-097-11	ELECT	2.2uF	20%	50V
C282	1-112-097-11	ELECT	2.2uF	20%	50V
C301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C302	1-117-681-11	ELECT CHIP	100uF	20%	16V
C303	1-117-681-11	ELECT CHIP	100uF	20%	16V
C304	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C305	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C321	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C322	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C323	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C324	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C341	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C342	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C343	1-112-083-11	ELECT	100uF	20%	16V
C344	1-112-083-11	ELECT	100uF	20%	16V
C345	1-112-083-11	ELECT	100uF	20%	16V
C346	1-112-083-11	ELECT	100uF	20%	16V
C361	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C362	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C363	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C364	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C381	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C382	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C401	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C402	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C403	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C404	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C411	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C412	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C413	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C415	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C416	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C417	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C418	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C419	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C420	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C421	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C422	1-112-114-11	ELECT	22uF	20%	50V
C423	1-112-114-11	ELECT	22uF	20%	50V
C424	1-112-114-11	ELECT	22uF	20%	50V
C425	1-112-114-11	ELECT	22uF	20%	50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C432	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C433	1-112-097-11	ELECT	2.2uF	20%	50V
C434	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C435	1-112-084-11	ELECT	470uF	20%	16V
C436	1-125-896-11	MYLAR	0.0091uF	5%	50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V
C438	1-112-097-11	ELECT	2.2uF	20%	50V
C441	1-126-965-11	ELECT	22uF	20%	50V
C446	1-126-965-11	ELECT	22uF	20%	50V
C451	1-126-965-11	ELECT	22uF	20%	50V
C456	1-126-965-11	ELECT	22uF	20%	50V
C472	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C485	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C486	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C487	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C488	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C497	1-117-681-11	ELECT CHIP	100uF	20%	16V
C498	1-112-083-11	ELECT	100uF	20%	16V
C499	1-112-083-11	ELECT	100uF	20%	16V
C501	1-163-139-00	CERAMIC CHIP		5%	50V
C502	1-163-139-00	CERAMIC CHIP		5%	50V
C503	1-163-139-00	CERAMIC CHIP		5%	50V
C504	1-163-139-00	CERAMIC CHIP		5%	50V
C511	1-163-139-00	CERAMIC CHIP		5%	50V
C512	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

Ref. No.	Part No.	Description			Remark
C513	1-163-139-00	CERAMIC CHIP		5%	50V
C514	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C515	1-163-139-00	CERAMIC CHIP		5%	50V
C516	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C517	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C518	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C519	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C520	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C521	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C522	1-126-965-11	ELECT	22uF	20%	50V
C523	1-126-965-11	ELECT	22uF	20%	50V
C524	1-126-965-11	ELECT	22uF	20%	50V
C525	1-126-965-11	ELECT	22uF	20%	50V
C531	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C532	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C533	1-112-097-11	ELECT	2.2uF	20%	50V
C534	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C535	1-112-084-11	ELECT	470uF	20%	16V
C536	1-125-896-11	MYLAR	0.0091uF	5%	50V
C537	1-136-159-00	MYLAR	0.033uF	5%	50V
C538	1-112-097-11	ELECT	2.2uF	20%	50V
C541	1-112-114-11	ELECT	22uF	20%	50V
C546	1-112-114-11	ELECT	22uF	20%	50V
C551	1-112-114-11	ELECT	22uF	20%	50V
C556	1-112-114-11	ELECT	22uF	20%	50V
C572	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C585	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C586	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C587	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C588	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C597	1-117-681-11	ELECT CHIP	100uF	20%	16V
C598	1-112-083-11	ELECT	100uF	20%	16V
C599	1-112-083-11	ELECT	100uF	20%	16V
C601	1-216-295-00	SHORT CHIP	0		
C602	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C603	1-216-295-00	SHORT CHIP	0		
C611	1-216-295-00	SHORT CHIP	0		
C612	1-216-295-00	SHORT CHIP	0		
C613	1-216-295-00	SHORT CHIP	0		
C614	1-216-295-00	SHORT CHIP	0		
C615	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C616	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C617	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C618	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C619	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C620	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C621	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C622	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C623	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C624	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C625	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C626	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C627	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C628	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C629	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C630	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C631	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C632	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C633	1-112-089-11	ELECT	47uF	20%	25V
C634	1-112-089-11	ELECT	47uF	20%	25V
C641	1-112-083-11	ELECT	100uF	20%	16V
C642	1-112-083-11	ELECT	100uF	20%	16V
C643	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C644	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C653	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C654	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C661	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C662	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C663	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C664	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C665	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C666	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C667	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C671	1-112-083-11	ELECT	100uF	20%	16V
C672	1-112-083-11	ELECT	100uF	20%	16V
C673	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C674	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C685	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C686	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C687	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C688	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C692	1-112-086-11	ELECT	2200uF	20%	16V
C693	1-112-086-11	ELECT	2200uF	20%	16V
C696	1-112-084-11	ELECT	470uF	20%	16V
C2801	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2805	1-112-083-11	ELECT	100uF	20%	16V
C2806	1-112-083-11	ELECT	100uF	20%	16V
C2813	1-112-114-11	ELECT	22uF	20%	50V
C2814	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2815	1-112-114-11	ELECT	22uF	20%	50V
C2816	1-112-089-11	ELECT	47uF	20%	25V
C2817	1-137-505-11	FILM	220PF	5%	100V
C2818	1-112-114-11	ELECT	22uF	20%	50V
C2819	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2822	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2823	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2824	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2825	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2826	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2827	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2833	1-126-965-11	ELECT	22uF	20%	50V
C2834	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2835	1-126-965-11	ELECT	22uF	20%	50V
C2836	1-126-934-11	ELECT	220uF	20%	16V
C2837	1-137-505-11	FILM	220PF	5%	100V
C2838	1-126-965-11	ELECT	22uF	20%	50V
C2839	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2840	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2841	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2842	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2843	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2851	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2863	1-126-965-11	ELECT	22uF	20%	50V
C2864	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2865	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description			Remark
C2866	1-126-934-11	ELECT	220uF	20%	16V
C2867	1-137-505-11	FILM	220PF	5%	100V
C2868	1-126-965-11	ELECT	22uF	20%	50V
C2869	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2872	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2873	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2874	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2875	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2876	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2877	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2883	1-126-965-11	ELECT	22uF	20%	50V
C2884	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2885	1-126-965-11	ELECT	22uF	20%	50V
C2886	1-126-934-11	ELECT	220uF	20%	16V
C2887	1-137-505-11	FILM	220PF	5%	100V
C2888	1-126-965-11	ELECT	22uF	20%	50V
C2889	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2901	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2913	1-126-965-11	ELECT	22uF	20%	50V
C2914	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2915	1-126-965-11	ELECT	22uF	20%	50V
C2916	1-126-934-11	ELECT	220uF	20%	16V
C2917	1-137-505-11	FILM	220PF	5%	100V
C2918	1-126-965-11	ELECT	22uF	20%	50V
C2919	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2922	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2923	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2924	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2925	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2926	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2927	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2933	1-126-965-11	ELECT	22uF	20%	50V
C2934	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2935	1-126-965-11	ELECT	22uF	20%	50V
C2936	1-126-934-11	ELECT	220uF	20%	16V
C2937	1-137-505-11	FILM	220PF	5%	100V
C2938	1-126-965-11	ELECT	22uF	20%	50V
C2939	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2951	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2963	1-126-965-11	ELECT	22uF	20%	50V
C2964	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2965	1-126-965-11	ELECT	22uF	20%	50V
C2966	1-126-934-11	ELECT	220uF	20%	16V
C2967	1-137-505-11	FILM	220PF	5%	100V
C2968	1-126-965-11	ELECT	22uF	20%	50V
C2969	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2972	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2973	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2974	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2975	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2976	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2977	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2983	1-126-965-11	ELECT	22uF	20%	50V
C2984	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2985	1-126-965-11	ELECT	22uF	20%	50V
C2986	1-126-934-11	ELECT	220uF	20%	16V
C2987	1-137-505-11	FILM	220PF	5%	100V
C2988	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description	Remark
C2989	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
		< CONNECTOR >	
CN601	1-779-978-11	PIN, CONNECTOR 3P	
CN602	1-784-925-11	PIN, CONNECTOR 10P	
CN603	1-784-930-11	PIN, CONNECTOR 15P	
CN604	1-784-928-11	PIN, CONNECTOR 13P	
CN606	1-784-921-11	PIN, CONNECTOR 4P	
		< DIODE >	
D301	8-719-988-61	DIODE 1SS355TE-17	
D641	8-719-988-61	DIODE 1SS355TE-17	
D651	8-719-988-61	DIODE 1SS355TE-17	
D2801	8-719-988-61	DIODE 1SS355TE-17	
D2851	8-719-988-61	DIODE 1SS355TE-17	
D2901	8-719-988-61	DIODE 1SS355TE-17	
D2951	8-719-988-61	DIODE 1SS355TE-17	
		< EARTH TERMINAL >	
* EPT601	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC301	8-759-710-97	IC NJM4565M-D	
IC302	8-759-710-97	IC NJM4565M-D	
IC321	8-759-710-97	IC NJM4565M-D	
IC322	8-759-710-97	IC NJM4565M-D	
IC341	8-759-710-97	IC NJM4565M-D	
IC361	8-759-710-97	IC NJM4565M-D	
IC362	8-759-710-97	IC NJM4565M-D	
IC381	8-759-710-97	IC NJM4565M-D	
IC401	8-759-835-78	IC TC9274N-015	
IC501	8-759-835-78	IC TC9274N-015	
IC601	8-759-582-66	IC TC9273N-013	
IC611	8-759-710-97	IC NJM4565M-D	
IC612	8-759-710-97	IC NJM4565M-D	
IC613	8-759-710-97	IC NJM4565M-D	
IC614	8-759-710-97	IC NJM4565M-D	
IC615	8-759-710-97	IC NJM4565M-D	
IC616	8-759-710-97	IC NJM4565M-D	
IC617	8-759-710-97	IC NJM4565M-D	
IC618	8-759-710-97	IC NJM4565M-D	
IC619	8-759-710-97	IC NJM4565M-D	
IC620	8-759-710-97	IC NJM4565M-D	
IC621	8-759-710-97	IC NJM4565M-D	
IC643	8-759-710-97	IC NJM4565M-D	
IC653	8-759-710-97	IC NJM4565M-D	
IC671	8-759-710-97	IC NJM4565M-D	
IC2812	6-702-387-01	IC CXD9725M	
IC2813	8-759-710-97	IC NJM4565M-D	
IC2862	6-702-387-01	IC CXD9725M	
IC2863	8-759-710-97	IC NJM4565M-D	
IC2912	6-702-387-01	IC CXD9725M	
IC2913	8-759-710-97	IC NJM4565M-D	
IC2962	6-702-387-01	IC CXD9725M	
IC2963	8-759-710-97	IC NJM4565M-D	

Ref. No.	Part No.	Description			Remark
		< JACK >			
J601	1-778-517-11	JACK, PIN 6P (MULTI CHANNEL INPUT FRONT, SURROUND, SURR BACK)			
J602	1-785-795-11	JACK, PIN 2P (MULTI CHANNEL INPUT CENTER, SUB WOOFER)			
J605	1-778-517-11	JACK, PIN 6P (PHONO IN, SA-CD/CD IN, MD/DAT OUT)			
J606	1-778-517-11	JACK, PIN 6P (MD/DAT IN, TAPE IN/OUT)			
J607	1-778-517-11	JACK, PIN 6P (TV/SAT AUDIO IN, DVD AUDIO IN, VIDEO 2 AUDIO OUT)			
J608	1-778-517-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO IN/OUT)			
J609	1-784-934-11	JACK, PIN 4P (2ND ZONE/3RD ZONE AUDIO OUT)			
J2915	1-785-795-11	JACK, PIN 2P (PRE OUT CENTER, SUB WOOFER)			
J2975	1-778-517-11	JACK, PIN 6P (PRE OUT FRONT, SURROUND, SURR BACK)			
		< JUMPER RESISTOR >			
JW671	1-216-295-00	SHORT CHIP	0		
		< TRANSISTOR >			
Q301	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q651	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q661	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2801	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2851	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2901	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2951	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R101	1-216-073-00	RES-CHIP	10K	5%	1/10W
R102	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R103	1-216-079-00	RES-CHIP	18K	5%	1/10W
R104	1-216-033-00	RES-CHIP	220	5%	1/10W
R121	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R122	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R123	1-216-238-00	RES-CHIP	47K	2%	1/8W
R141	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R142	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R161	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R162	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R163	1-216-238-00	RES-CHIP	47K	2%	1/8W
R181	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R182	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R201	1-216-073-00	RES-CHIP	10K	5%	1/10W
R202	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R203	1-216-079-00	RES-CHIP	18K	5%	1/10W
R204	1-216-033-00	RES-CHIP	220	5%	1/10W
R221	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R222	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R223	1-216-238-00	RES-CHIP	47K	2%	1/8W
R241	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R242	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R261	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R262	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R263	1-216-238-00	RES-CHIP	47K	2%	1/8W
R281	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R282	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R301	1-249-393-11	CARBON	10	5%	1/4W
R302	1-216-073-00	RES-CHIP	10K	5%	1/10W
R303	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R401	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R402	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R403	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R404	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R405	1-216-238-00	RES-CHIP	47K	2%	1/8W
R406	1-216-238-00	RES-CHIP	47K	2%	1/8W
R407	1-216-238-00	RES-CHIP	47K	2%	1/8W
R408	1-216-238-00	RES-CHIP	47K	2%	1/8W
R411	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R412	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R413	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R414	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R415	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R416	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R417	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R418	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R419	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R420	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R421	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R422	1-216-238-00	RES-CHIP	47K	2%	1/8W
R423	1-216-238-00	RES-CHIP	47K	2%	1/8W
R424	1-216-230-00	RES-CHIP	22K	2%	1/8W
R425	1-216-230-00	RES-CHIP	22K	2%	1/8W
R426	1-216-230-00	RES-CHIP	22K	2%	1/8W
R427	1-216-238-00	RES-CHIP	47K	2%	1/8W
R428	1-216-238-00	RES-CHIP	47K	2%	1/8W
R431	1-216-206-00	RES-CHIP	2.2K	2%	1/8W
R432	1-216-246-00	RES-CHIP	100K	2%	1/8W
R433	1-216-246-00	RES-CHIP	100K	2%	1/8W
R434	1-208-419-11	RES-CHIP	180	2%	1/8W
R435	1-208-508-11	RES-CHIP	8.2K	2%	1/8W
R436	1-216-246-00	RES-CHIP	100K	2%	1/8W
R437	1-216-174-00	RES-CHIP	100	2%	1/8W
R438	1-216-246-00	RES-CHIP	100K	2%	1/8W
R439	1-216-190-00	RES-CHIP	470	2%	1/8W
R443	1-216-238-00	RES-CHIP	47K	2%	1/8W
R444	1-216-246-00	RES-CHIP	100K	2%	1/8W
R445	1-216-174-00	RES-CHIP	100	2%	1/8W
R446	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R447	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R453	1-216-238-00	RES-CHIP	47K	2%	1/8W
R454	1-216-246-00	RES-CHIP	100K	2%	1/8W
R455	1-216-174-00	RES-CHIP	100	2%	1/8W
R456	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R457	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R461	1-216-222-00	RES-CHIP	10K	2%	1/8W
R462	1-216-222-00	RES-CHIP	10K	2%	1/8W
R463	1-216-222-00	RES-CHIP	10K	2%	1/8W
R464	1-216-222-00	RES-CHIP	10K	2%	1/8W
R471	1-216-238-00	RES-CHIP	47K	2%	1/8W
R485	1-216-013-00	RES-CHIP	33	5%	1/10W
R486	1-216-013-00	RES-CHIP	33	5%	1/10W
R487	1-216-025-11	RES-CHIP	100	5%	1/10W

ANALOG

Ref. No.	Part No.	Description			Remark
R488	1-216-025-11	RES-CHIP	100	5%	1/10W
R489	1-216-025-11	RES-CHIP	100	5%	1/10W
R491	1-216-246-00	RES-CHIP	100K	2%	1/8W
R492	1-216-246-00	RES-CHIP	100K	2%	1/8W
R493	1-216-246-00	RES-CHIP	100K	2%	1/8W
R494	1-216-246-00	RES-CHIP	100K	2%	1/8W
R501	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R502	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R503	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R504	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R505	1-216-238-00	RES-CHIP	47K	2%	1/8W
R506	1-216-238-00	RES-CHIP	47K	2%	1/8W
R507	1-216-238-00	RES-CHIP	47K	2%	1/8W
R508	1-216-238-00	RES-CHIP	47K	2%	1/8W
R511	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R512	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R513	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R514	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R515	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R516	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R517	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R518	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R519	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R520	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R521	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R522	1-216-238-00	RES-CHIP	47K	2%	1/8W
R523	1-216-238-00	RES-CHIP	47K	2%	1/8W
R524	1-216-230-00	RES-CHIP	22K	2%	1/8W
R525	1-216-230-00	RES-CHIP	22K	2%	1/8W
R526	1-216-230-00	RES-CHIP	22K	2%	1/8W
R527	1-216-238-00	RES-CHIP	47K	2%	1/8W
R528	1-216-238-00	RES-CHIP	47K	2%	1/8W
R531	1-216-206-00	RES-CHIP	2.2K	2%	1/8W
R532	1-216-246-00	RES-CHIP	100K	2%	1/8W
R533	1-216-246-00	RES-CHIP	100K	2%	1/8W
R534	1-208-419-11	RES-CHIP	180	2%	1/8W
R535	1-208-508-11	RES-CHIP	8.2K	2%	1/8W
R536	1-216-246-00	RES-CHIP	100K	2%	1/8W
R537	1-216-174-00	RES-CHIP	100	2%	1/8W
R538	1-216-246-00	RES-CHIP	100K	2%	1/8W
R539	1-216-190-00	RES-CHIP	470	2%	1/8W
R543	1-216-238-00	RES-CHIP	47K	2%	1/8W
R544	1-216-246-00	RES-CHIP	100K	2%	1/8W
R545	1-216-174-00	RES-CHIP	100	2%	1/8W
R546	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R547	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R553	1-216-238-00	RES-CHIP	47K	2%	1/8W
R554	1-216-246-00	RES-CHIP	100K	2%	1/8W
R555	1-216-174-00	RES-CHIP	100	2%	1/8W
R556	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R557	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R561	1-216-222-00	RES-CHIP	10K	2%	1/8W
R562	1-216-222-00	RES-CHIP	10K	2%	1/8W
R563	1-216-222-00	RES-CHIP	10K	2%	1/8W
R564	1-216-222-00	RES-CHIP	10K	2%	1/8W
R571	1-216-238-00	RES-CHIP	47K	2%	1/8W
R585	1-216-013-00	RES-CHIP	33	5%	1/10W

Ref. No.	Part No.	Description			Remark
R586	1-216-013-00	RES-CHIP	33	5%	1/10W
R587	1-216-025-11	RES-CHIP	100	5%	1/10W
R588	1-216-025-11	RES-CHIP	100	5%	1/10W
R589	1-216-025-11	RES-CHIP	100	5%	1/10W
R591	1-216-246-00	RES-CHIP	100K	2%	1/8W
R592	1-216-246-00	RES-CHIP	100K	2%	1/8W
R593	1-216-246-00	RES-CHIP	100K	2%	1/8W
R594	1-216-246-00	RES-CHIP	100K	2%	1/8W
R632	1-216-073-00	RES-CHIP	10K	5%	1/10W
R633	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R634	1-216-182-00	RES-CHIP	220	2%	1/8W
R635	1-216-182-00	RES-CHIP	220	2%	1/8W
⚠R646	1-249-393-11	CARBON	10	5%	1/4W F
⚠R656	1-249-393-11	CARBON	10	5%	1/4W F
R662	1-216-073-00	RES-CHIP	10K	5%	1/10W
R663	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R685	1-216-013-00	RES-CHIP	33	5%	1/10W
R686	1-216-013-00	RES-CHIP	33	5%	1/10W
R687	1-216-025-11	RES-CHIP	100	5%	1/10W
R688	1-216-025-11	RES-CHIP	100	5%	1/10W
R689	1-216-025-11	RES-CHIP	100	5%	1/10W
R2801	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2802	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2804	1-249-393-11	CARBON	10	5%	1/4W
R2805	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2806	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2807	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2808	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2817	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2818	1-216-013-00	RES-CHIP	33	5%	1/10W
R2819	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2820	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2822	1-216-174-00	RES-CHIP	100	2%	1/8W
R2824	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2835	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2837	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2838	1-216-013-00	RES-CHIP	33	5%	1/10W
R2839	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2840	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2842	1-216-174-00	RES-CHIP	100	2%	1/8W
R2844	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2851	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2852	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2854	1-249-393-11	CARBON	10	5%	1/4W
R2855	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2856	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2857	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2858	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2867	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2868	1-216-013-00	RES-CHIP	33	5%	1/10W
R2869	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2870	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2872	1-216-174-00	RES-CHIP	100	2%	1/8W
R2873	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2887	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2888	1-216-013-00	RES-CHIP	33	5%	1/10W
R2889	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2890	1-216-246-00	RES-CHIP	100K	2%	1/8W

Ref. No.	Part No.	Description			Remark
R2892	1-216-174-00	RES-CHIP	100	2%	1/8W
R2893	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2901	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2902	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2904	1-249-393-11	CARBON	10	5%	1/4W
R2905	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2906	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2907	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2908	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2917	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2918	1-216-013-00	RES-CHIP	33	5%	1/10W
R2919	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2920	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2922	1-216-174-00	RES-CHIP	100	2%	1/8W
R2923	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2937	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2938	1-216-013-00	RES-CHIP	33	5%	1/10W
R2939	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2940	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2942	1-216-174-00	RES-CHIP	100	2%	1/8W
R2943	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2951	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2952	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2954	1-249-393-11	CARBON	10	5%	1/4W
R2956	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2957	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2958	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2967	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2968	1-216-013-00	RES-CHIP	33	5%	1/10W
R2969	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2970	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2972	1-216-174-00	RES-CHIP	100	2%	1/8W
R2973	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2987	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2988	1-216-013-00	RES-CHIP	33	5%	1/10W
R2989	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2990	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2992	1-216-174-00	RES-CHIP	100	2%	1/8W
R2993	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
		< RELAY >			
RY301	1-755-486-11	RELAY			
RY641	1-755-486-11	RELAY			
RY651	1-755-486-11	RELAY			
RY2801	1-755-486-11	RELAY			
RY2851	1-755-486-11	RELAY			
RY2901	1-755-486-11	RELAY			
RY2951	1-755-486-11	RELAY			

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CIS BOARD

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Ref. No.	Part No.	Description			Remark
		< CAPACITOR/JUMPER RESISTOR >			
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-126-961-11	ELECT	2.2uF	20%	50V
C804	1-126-947-11	ELECT	47uF	20%	35V
C805	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C821	1-126-960-11	ELECT	1uF	20%	50V
C831	1-126-960-11	ELECT	1uF	20%	50V
C841	1-126-960-11	ELECT	1uF	20%	50V
C851	1-126-767-11	ELECT	1000uF	20%	16V
C852	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C861	1-216-864-11	SHORT CHIP	0		
C862	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C863	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C864	1-126-963-11	ELECT	4.7uF	20%	50V
C865	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C866	1-216-864-11	SHORT CHIP	0		
C867	1-216-864-11	SHORT CHIP	0		
C868	1-216-864-11	SHORT CHIP	0		
		< CONNECTOR >			
CN801	1-568-826-11	CONNECTOR, FFC 7P			
CN851	1-564-506-11	PLUG, CONNECTOR 3P			
		< DIODE >			
D801	8-719-988-61	DIODE 1SS355TE-17			
D802	8-719-075-86	DIODE SID307BRTP19			
D803	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC801	8-759-827-69	IC NJL63H400A-1			
IC802	8-759-564-49	IC TC7W53FU (TE12R)			
IC861	8-759-470-63	IC NJM2145M-TE2			
		< JACK >			
J801	1-563-330-31	JACK (IR REMOTE IR IN)			
J802	1-563-330-31	JACK (IR REMOTE IR OUT 1)			
J803	1-563-330-31	JACK (IR REMOTE IR OUT 2)			
J821	1-563-330-31	JACK (TRIGGER OUT 3RD ZONE)			
J831	1-563-330-31	JACK (TRIGGER OUT 2ND ZONE)			
J841	1-563-330-31	JACK (TRIGGER OUT MAIN)			
J861	1-563-330-31	JACK (CTRL S OUT)			
J862	1-563-330-31	JACK (CTRL S IN)			
		< JUMPER RESISTOR >			
JW861	1-216-864-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q821	8-729-140-93	TRANSISTOR	2SB733-34		
Q822	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q831	8-729-140-93	TRANSISTOR	2SB733-34		
Q832	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q841	8-729-140-93	TRANSISTOR	2SB733-34		
Q842	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR/THERMISTOR >			
R801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R802	1-216-797-11	METAL CHIP	10	5%	1/10W
R803	1-216-845-11	METAL CHIP	100K	5%	1/10W
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R805	1-216-845-11	METAL CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R821	1-801-726-11	THERMISTOR, POSITIVE			
R822	1-216-833-11	METAL CHIP	10K	5%	1/10W
R823	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R831	1-801-726-11	THERMISTOR, POSITIVE			
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R835	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-801-726-11	THERMISTOR, POSITIVE			
R842	1-216-833-11	METAL CHIP	10K	5%	1/10W
R843	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R844	1-216-833-11	METAL CHIP	10K	5%	1/10W
R845	1-216-809-11	METAL CHIP	100	5%	1/10W
R861	1-216-821-11	METAL CHIP	1K	5%	1/10W
R862	1-216-821-11	METAL CHIP	1K	5%	1/10W
R863	1-216-821-11	METAL CHIP	1K	5%	1/10W
R864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R865	1-216-821-11	METAL CHIP	1K	5%	1/10W

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CONECT BOARD
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< CONNECTOR >

Ref. No.	Part No.	Description
CNP301	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P
CNP302	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P
CNR207	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P
CNR208	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P

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A-1099-055-A D-AMP BOARD, COMPLETE
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< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1403	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1405	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1406	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1408	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1410	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1411	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1412	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1413	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1414	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1417	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1418	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1419	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1420	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1421	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1422	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1423	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1424	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1425	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1426	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1427	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1428	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1429	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1430	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1432	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1433	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1434	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1435	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1436	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1437	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1438	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1440	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1441	1-112-159-11	ELECT	470uF	20%	100V
C1442	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1444	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1445	1-112-177-11	ELECT	330uF	20%	16V
C1446	1-100-722-21	ELECT	470uF	20%	6.3V
C1447	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1448	1-100-722-21	ELECT	470uF	20%	6.3V
C1449	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1450	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1451	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1452	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1453	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1454	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1455	1-100-722-21	ELECT	470uF	20%	6.3V
C1456	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1457	1-112-159-11	ELECT	470uF	20%	100V
C1458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1459	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1460	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1461	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1462	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1463	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1464	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1465	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1466	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1467	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1468	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1469	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1470	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1471	1-112-159-11	ELECT	470uF	20%	100V
C1473	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1474	1-126-947-11	ELECT	47uF	20%	35V
C1475	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1476	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1477	1-100-722-21	ELECT	470uF	20%	6.3V
C1478	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1479	1-112-177-11	ELECT	330uF	20%	16V
C1480	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1481	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1482	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1483	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1484	1-112-159-11	ELECT	470uF	20%	100V

Ref. No.	Part No.	Description			Remark
C1485	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1486	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1487	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1488	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C1489	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1490	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1491	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1492	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1493	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1494	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1495	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1496	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1498	1-112-159-11	ELECT	470uF	20%	100V
C1499	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1500	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1502	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1503	1-100-722-21	ELECT	470uF	20%	6.3V
C1504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1505	1-112-177-11	ELECT	330uF	20%	16V
C1506	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1507	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1508	1-100-722-21	ELECT	470uF	20%	6.3V
C1509	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1510	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1511	1-100-722-21	ELECT	470uF	20%	6.3V
C1512	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1513	1-112-159-11	ELECT	470uF	20%	100V
C1514	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1515	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1516	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1517	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1518	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1519	1-100-722-21	ELECT	470uF	20%	6.3V
C1520	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1521	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1522	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1523	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1524	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1525	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1526	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1527	1-112-159-11	ELECT	470uF	20%	100V
C1529	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1530	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1531	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1532	1-112-177-11	ELECT	330uF	20%	16V
C1533	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1534	1-100-722-21	ELECT	470uF	20%	6.3V
C1535	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1536	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1537	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1538	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1539	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1540	1-112-159-11	ELECT	470uF	20%	100V
C1541	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1542	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1543	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1544	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1546	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1547	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1548	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1549	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1550	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1551	1-112-159-11	ELECT	470uF	20%	100V
C1553	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1554	1-112-177-11	ELECT	330uF	20%	16V
C1555	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1557	1-100-722-21	ELECT	470uF	20%	6.3V
C1558	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1559	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1560	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1561	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1562	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1563	1-100-722-21	ELECT	470uF	20%	6.3V
C1564	1-100-722-21	ELECT	470uF	20%	6.3V
C1565	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1568	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1569	1-112-159-11	ELECT	470uF	20%	100V
C1570	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1571	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1572	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1573	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1574	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1575	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1576	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1577	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1578	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1579	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1580	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1581	1-112-159-11	ELECT	470uF	20%	100V
C1583	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1584	1-112-177-11	ELECT	330uF	20%	16V
C1585	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1586	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1587	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1588	1-100-722-21	ELECT	470uF	20%	6.3V
C1589	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1590	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1591	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1592	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1593	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1594	1-112-159-11	ELECT	470uF	20%	100V
C1595	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1596	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1597	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1598	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1599	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1600	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1602	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1603	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V

D-AMP

Ref. No.	Part No.	Description			Remark
C1604	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1605	1-112-159-11	ELECT	470uF	20%	100V
C1608	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1610	1-112-177-11	ELECT	330uF	20%	16V
C1611	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1612	1-100-722-21	ELECT	470uF	20%	6.3V
C1613	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1614	1-100-722-21	ELECT	470uF	20%	6.3V
C1615	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1616	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1617	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1618	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1619	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1620	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1621	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1622	1-100-722-21	ELECT	470uF	20%	6.3V
C1623	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1624	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1625	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1626	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1627	1-112-159-11	ELECT	470uF	20%	100V
C1628	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1629	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1630	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1631	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1632	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1633	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1636	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1637	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1638	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1716	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1717	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1718	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1719	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1720	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1721	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1722	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1723	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1724	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1725	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1726	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1727	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1728	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1729	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN1403	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
CN1405	1-794-004-11	CONNECTOR 17P			
CN1406	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
* CN1410	1-770-727-11	CONNECTOR, BOARD TO BOARD 8P			
CN1411	1-770-731-11	CONNECTOR, BOARD TO BOARD 12P			
CN1503	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CN1504	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D1401	8-719-210-39	DIODE EC10QS-04	
D1403	6-501-050-01	DIODE SD833-09-TE12R	
D1404	6-501-050-01	DIODE SD833-09-TE12R	
D1405	6-501-050-01	DIODE SD833-09-TE12R	
D1406	6-501-050-01	DIODE SD833-09-TE12R	
D1407	8-719-210-39	DIODE EC10QS-04	
D1409	8-719-210-39	DIODE EC10QS-04	
D1411	6-501-050-01	DIODE SD833-09-TE12R	
D1412	6-501-050-01	DIODE SD833-09-TE12R	
D1413	6-501-050-01	DIODE SD833-09-TE12R	
D1414	6-501-050-01	DIODE SD833-09-TE12R	
D1415	6-500-219-01	DIODE 1SS404 (TPH3)	
D1416	8-719-988-61	DIODE 1SS355TE-17	
D1417	8-719-210-39	DIODE EC10QS-04	
D1419	8-719-210-39	DIODE EC10QS-04	
D1421	6-501-050-01	DIODE SD833-09-TE12R	
D1422	6-501-050-01	DIODE SD833-09-TE12R	
D1423	6-501-050-01	DIODE SD833-09-TE12R	
D1424	6-501-050-01	DIODE SD833-09-TE12R	
D1425	8-719-210-39	DIODE EC10QS-04	
D1427	8-719-210-39	DIODE EC10QS-04	
D1429	6-501-050-01	DIODE SD833-09-TE12R	
D1430	6-501-050-01	DIODE SD833-09-TE12R	
D1431	6-501-050-01	DIODE SD833-09-TE12R	
D1432	6-501-050-01	DIODE SD833-09-TE12R	
D1434	8-719-210-39	DIODE EC10QS-04	
D1436	6-501-050-01	DIODE SD833-09-TE12R	
D1437	6-501-050-01	DIODE SD833-09-TE12R	
D1438	6-501-050-01	DIODE SD833-09-TE12R	
D1439	6-501-050-01	DIODE SD833-09-TE12R	
D1440	8-719-210-39	DIODE EC10QS-04	
D1442	8-719-210-39	DIODE EC10QS-04	
D1444	6-501-050-01	DIODE SD833-09-TE12R	
D1445	6-501-050-01	DIODE SD833-09-TE12R	
D1446	6-501-050-01	DIODE SD833-09-TE12R	
D1447	6-501-050-01	DIODE SD833-09-TE12R	
D1448	8-719-210-39	DIODE EC10QS-04	
D1450	8-719-210-39	DIODE EC10QS-04	
D1452	6-501-050-01	DIODE SD833-09-TE12R	
D1453	6-501-050-01	DIODE SD833-09-TE12R	
D1454	6-501-050-01	DIODE SD833-09-TE12R	
D1455	6-501-050-01	DIODE SD833-09-TE12R	
D1456	8-719-210-39	DIODE EC10QS-04	
D1458	8-719-210-39	DIODE EC10QS-04	
D1529	8-719-988-61	DIODE 1SS355TE-17	
D1530	8-719-988-61	DIODE 1SS355TE-17	
D1531	8-719-988-61	DIODE 1SS355TE-17	
D1532	8-719-988-61	DIODE 1SS355TE-17	
D1533	8-719-988-61	DIODE 1SS355TE-17	
D1534	8-719-988-61	DIODE 1SS355TE-17	
D1535	8-719-988-61	DIODE 1SS355TE-17	
D1536	8-719-988-61	DIODE 1SS355TE-17	
D1537	8-719-988-61	DIODE 1SS355TE-17	
D1538	8-719-988-61	DIODE 1SS355TE-17	
D1539	8-719-988-61	DIODE 1SS355TE-17	
D1540	8-719-988-61	DIODE 1SS355TE-17	

Ref. No.	Part No.	Description	Remark
D1541	8-719-988-61	DIODE 1SS355TE-17	
D1542	8-719-988-61	DIODE 1SS355TE-17	
		< EARTH TERMINAL >	
* EP1401	1-537-738-21	TERMINAL, EARTH	
* EP1402	1-537-738-21	TERMINAL, EARTH	
* EP1403	1-537-738-21	TERMINAL, EARTH	
* EP1404	1-537-738-21	TERMINAL, EARTH	
* EP1405	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB1403	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1404	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1406	1-414-813-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC1401	8-759-832-05	IC BA18BC0FP-E2	
IC1402	6-705-817-01	IC CXD9773AQ	
IC1405	8-759-538-95	IC TC74LVX08FT (EL)	
IC1406	8-759-538-95	IC TC74LVX08FT (EL)	
IC1407	6-704-197-01	IC HIP2101IBZT	
IC1408	6-704-197-01	IC HIP2101IBZT	
IC1409	8-759-538-95	IC TC74LVX08FT (EL)	
IC1410	8-759-538-95	IC TC74LVX08FT (EL)	
IC1411	6-704-197-01	IC HIP2101IBZT	
IC1412	6-705-817-01	IC CXD9773AQ	
IC1413	6-704-197-01	IC HIP2101IBZT	
IC1414	8-759-538-95	IC TC74LVX08FT (EL)	
IC1415	8-759-538-95	IC TC74LVX08FT (EL)	
IC1416	6-704-197-01	IC HIP2101IBZT	
IC1417	8-759-524-50	IC TC74VHC541FT (EL)	
IC1418	6-704-197-01	IC HIP2101IBZT	
IC1419	8-759-524-50	IC TC74VHC541FT (EL)	
IC1420	8-759-538-95	IC TC74LVX08FT (EL)	
IC1421	8-759-538-95	IC TC74LVX08FT (EL)	
IC1422	6-705-817-01	IC CXD9773AQ	
IC1423	6-704-197-01	IC HIP2101IBZT	
IC1424	6-704-197-01	IC HIP2101IBZT	
IC1425	8-759-538-95	IC TC74LVX08FT (EL)	
IC1426	8-759-538-95	IC TC74LVX08FT (EL)	
IC1427	6-704-197-01	IC HIP2101IBZT	
IC1428	6-704-197-01	IC HIP2101IBZT	
IC1429	8-759-538-95	IC TC74LVX08FT (EL)	
IC1430	8-759-538-95	IC TC74LVX08FT (EL)	
IC1431	6-704-197-01	IC HIP2101IBZT	
IC1432	6-705-817-01	IC CXD9773AQ	
IC1433	6-704-197-01	IC HIP2101IBZT	
IC1434	8-759-538-95	IC TC74LVX08FT (EL)	
IC1435	8-759-538-95	IC TC74LVX08FT (EL)	
IC1436	6-704-197-01	IC HIP2101IBZT	
IC1437	6-704-197-01	IC HIP2101IBZT	
		< TRANSISTOR >	
Q1401	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1404	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1407	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1410	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1411	8-729-216-31	TRANSISTOR 2SA1163-G	

Ref. No.	Part No.	Description	Remark
Q1412	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1413	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1414	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1415	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1416	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1417	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1418	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1419	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1420	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1421	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1422	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1423	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1424	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1425	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1426	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1427	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1428	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1429	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1430	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1432	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1433	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1434	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1435	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1436	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1437	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1438	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1439	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1440	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1441	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1442	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1443	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1444	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1445	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1446	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1449	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1452	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1455	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1458	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
R1401	1-216-864-11	SHORT CHIP 0	
R1402	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1403	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1404	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R1405	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1407	1-216-864-11	SHORT CHIP 0	
R1408	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1410	1-216-864-11	SHORT CHIP 0	
R1415	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1416	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R1423	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP 0	
R1428	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1429	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R1435	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1439	1-216-864-11	SHORT CHIP 0	
R1446	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1448	1-216-809-11	METAL CHIP 100 5%	1/10W

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

D-AMP

Ref. No.	Part No.	Description			Remark
R1450	1-216-815-11	METAL CHIP	330	5%	1/10W
R1452	1-216-809-11	METAL CHIP	100	5%	1/10W
R1453	1-216-815-11	METAL CHIP	330	5%	1/10W
R1454	1-216-815-11	METAL CHIP	330	5%	1/10W
R1456	1-216-815-11	METAL CHIP	330	5%	1/10W
R1457	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1461	1-216-805-11	METAL CHIP	47	5%	1/10W
R1464	1-216-805-11	METAL CHIP	47	5%	1/10W
R1465	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1466	1-219-685-11	RES-CHIP	0.05	1%	1W
R1470	1-219-685-11	RES-CHIP	0.05	1%	1W
R1472	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-216-805-11	METAL CHIP	47	5%	1/10W
R1476	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1478	1-216-805-11	METAL CHIP	47	5%	1/10W
R1480	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1487	1-216-809-11	METAL CHIP	100	5%	1/10W
R1488	1-216-815-11	METAL CHIP	330	5%	1/10W
R1489	1-216-815-11	METAL CHIP	330	5%	1/10W
R1490	1-216-815-11	METAL CHIP	330	5%	1/10W
R1491	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1493	1-216-815-11	METAL CHIP	330	5%	1/10W
R1494	1-216-805-11	METAL CHIP	47	5%	1/10W
R1495	1-216-801-11	METAL CHIP	22	5%	1/10W
R1496	1-216-805-11	METAL CHIP	47	5%	1/10W
R1497	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1498	1-219-685-11	RES-CHIP	0.05	1%	1W
R1499	1-219-685-11	RES-CHIP	0.05	1%	1W
R1500	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1501	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1502	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1503	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1504	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1508	1-216-805-11	METAL CHIP	47	5%	1/10W
R1509	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1510	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-805-11	METAL CHIP	47	5%	1/10W
R1513	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1516	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1517	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1519	1-216-809-11	METAL CHIP	100	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-797-11	METAL CHIP	10	5%	1/10W
R1523	1-216-809-11	METAL CHIP	100	5%	1/10W
R1524	1-216-809-11	METAL CHIP	100	5%	1/10W
R1525	1-216-815-11	METAL CHIP	330	5%	1/10W
R1526	1-216-815-11	METAL CHIP	330	5%	1/10W
R1527	1-216-815-11	METAL CHIP	330	5%	1/10W
R1529	1-216-809-11	METAL CHIP	100	5%	1/10W
R1530	1-216-815-11	METAL CHIP	330	5%	1/10W
R1531	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1532	1-216-809-11	METAL CHIP	100	5%	1/10W
R1533	1-216-809-11	METAL CHIP	100	5%	1/10W
R1534	1-216-805-11	METAL CHIP	47	5%	1/10W
R1535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1536	1-216-805-11	METAL CHIP	47	5%	1/10W
R1537	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1538	1-216-805-11	METAL CHIP	47	5%	1/10W
R1539	1-219-685-11	RES-CHIP	0.05	1%	1W
R1540	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-219-685-11	RES-CHIP	0.05	1%	1W
R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1544	1-216-805-11	METAL CHIP	47	5%	1/10W
R1545	1-216-809-11	METAL CHIP	100	5%	1/10W
R1546	1-216-805-11	METAL CHIP	47	5%	1/10W
R1547	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1548	1-216-809-11	METAL CHIP	100	5%	1/10W
R1549	1-216-809-11	METAL CHIP	100	5%	1/10W
R1550	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1551	1-216-809-11	METAL CHIP	100	5%	1/10W
R1552	1-216-809-11	METAL CHIP	100	5%	1/10W
R1553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1555	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1556	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1559	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1564	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1568	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1569	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1570	1-216-809-11	METAL CHIP	100	5%	1/10W
R1572	1-216-805-11	METAL CHIP	47	5%	1/10W
R1573	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1574	1-216-805-11	METAL CHIP	47	5%	1/10W
R1575	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1576	1-219-685-11	RES-CHIP	0.05	1%	1W
R1577	1-219-685-11	RES-CHIP	0.05	1%	1W
R1578	1-216-805-11	METAL CHIP	47	5%	1/10W
R1579	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1580	1-216-815-11	METAL CHIP	330	5%	1/10W
R1581	1-216-815-11	METAL CHIP	330	5%	1/10W
R1582	1-216-815-11	METAL CHIP	330	5%	1/10W
R1583	1-216-815-11	METAL CHIP	330	5%	1/10W
R1584	1-216-805-11	METAL CHIP	47	5%	1/10W
R1585	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1588	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1590	1-216-805-11	METAL CHIP	47	5%	1/10W
R1591	1-216-805-11	METAL CHIP	47	5%	1/10W
R1592	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1593	1-219-685-11	RES-CHIP	0.05	1%	1W
R1594	1-219-685-11	RES-CHIP	0.05	1%	1W
R1595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1596	1-216-805-11	METAL CHIP	47	5%	1/10W
R1597	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1598	1-216-805-11	METAL CHIP	47	5%	1/10W
R1599	1-216-815-11	METAL CHIP	330	5%	1/10W
R1600	1-216-815-11	METAL CHIP	330	5%	1/10W
R1601	1-216-815-11	METAL CHIP	330	5%	1/10W
R1602	1-216-815-11	METAL CHIP	330	5%	1/10W
R1603	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1604	1-216-864-11	SHORT CHIP	0		
R1605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1606	1-216-809-11	METAL CHIP	100	5%	1/10W
R1607	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1609	1-216-805-11	METAL CHIP	47	5%	1/10W
R1610	1-216-805-11	METAL CHIP	47	5%	1/10W
R1611	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1612	1-219-685-11	RES-CHIP	0.05	1%	1W
R1613	1-219-685-11	RES-CHIP	0.05	1%	1W
R1614	1-216-805-11	METAL CHIP	47	5%	1/10W
R1615	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1616	1-216-815-11	METAL CHIP	330	5%	1/10W
R1617	1-216-815-11	METAL CHIP	330	5%	1/10W
R1618	1-216-815-11	METAL CHIP	330	5%	1/10W
R1619	1-216-815-11	METAL CHIP	330	5%	1/10W
R1620	1-216-805-11	METAL CHIP	47	5%	1/10W
R1621	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1623	1-216-809-11	METAL CHIP	100	5%	1/10W
R1624	1-216-809-11	METAL CHIP	100	5%	1/10W
R1625	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1627	1-216-805-11	METAL CHIP	47	5%	1/10W
R1628	1-216-805-11	METAL CHIP	47	5%	1/10W
R1629	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1631	1-219-685-11	RES-CHIP	0.05	1%	1W
R1632	1-219-685-11	RES-CHIP	0.05	1%	1W
R1633	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1634	1-216-805-11	METAL CHIP	47	5%	1/10W
R1635	1-216-815-11	METAL CHIP	330	5%	1/10W
R1636	1-216-815-11	METAL CHIP	330	5%	1/10W
R1637	1-216-815-11	METAL CHIP	330	5%	1/10W
R1638	1-216-815-11	METAL CHIP	330	5%	1/10W
R1639	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1640	1-216-805-11	METAL CHIP	47	5%	1/10W
R1641	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1642	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1646	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1647	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1648	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1649	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1650	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1651	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1652	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1653	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1655	1-216-864-11	SHORT CHIP	0		
R1657	1-216-864-11	SHORT CHIP	0		
R1659	1-216-864-11	SHORT CHIP	0		
R1661	1-216-864-11	SHORT CHIP	0		
R1669	1-216-809-11	METAL CHIP	100	5%	1/10W
		< THERMISTOR >			
TH1401	1-805-074-11	THERMISTOR			
TH1402	1-805-074-11	THERMISTOR			
TH1403	1-805-074-11	THERMISTOR			
TH1404	1-805-074-11	THERMISTOR			
TH1405	1-805-074-11	THERMISTOR			
TH1406	1-805-074-11	THERMISTOR			
TH1407	1-805-074-11	THERMISTOR			
		< VIBRATOR >			
X1402	1-813-388-11	OSCILLATOR, CRYSTAL (49.152MHz)			

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Ref. No.	Part No.	Description			Remark
	A-1099-317-A	DC DIF BOARD, COMPLETE (US, CND)			
	A-1099-318-A	DC DIF BOARD, COMPLETE (AEP)			
	A-1099-319-A	DC DIF BOARD, COMPLETE (KR, CH)			
	A-1099-320-A	DC DIF BOARD, COMPLETE (TW)			
		************			
	1-533-217-41	HOLDER, FUSE			
	3-077-331-21	+BV3 (3-CR)			
	3-905-609-13	SCREW (TRANSISTOR)			
	4-383-023-01	SHEET, MICA			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C31	1-130-777-00	MYLAR	0.1uF	5%	100V
C32	1-130-777-00	MYLAR	0.1uF	5%	100V
C33	1-130-777-00	MYLAR	0.1uF	5%	100V
C34	1-100-187-11	MYLAR	0.27uF	5%	250V
C35	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C36	1-112-695-11	ELECT (BLOCK)	10000uF	20%	100V
C40	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C41	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C42	1-126-953-11	ELECT	2200uF	20%	35V
C43	1-126-953-11	ELECT	2200uF	20%	35V
C44	1-112-431-11	ELECT	1000uF	20%	35V
C50	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C51	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C53	1-112-096-11	ELECT	1uF	20%	50V
C54	1-112-138-11	ELECT	3300uF	20%	35V
C55	1-112-431-11	ELECT	1000uF	20%	35V
C60	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C61	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C62	1-112-138-11	ELECT	3300uF	20%	35V
C63	1-112-138-11	ELECT	3300uF	20%	35V
		< CONNECTOR >			
* CN30	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			

Ref. No.	Part No.	Description			Remark
CN50	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN60	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D31	6-500-661-01	DIODE KCH30A20			
D32	6-500-661-01	DIODE KCH30A20			
D33	8-719-988-61	DIODE 1SS355TE-17			
D40	8-719-053-18	DIODE 1SR154-400TE-25			
D41	8-719-053-18	DIODE 1SR154-400TE-25			
D42	8-719-053-18	DIODE 1SR154-400TE-25			
D43	8-719-053-18	DIODE 1SR154-400TE-25			
D44	8-719-053-18	DIODE 1SR154-400TE-25			
D45	8-719-053-18	DIODE 1SR154-400TE-25			
D50	8-719-043-53	DIODE D2SBA20F03			
D51	8-719-210-39	DIODE EC10QS-04			
D60	8-719-302-38	DIODE RBV-602-01			
		< EARTH TERMINAL >			
* EP31	1-537-738-21	TERMINAL, EARTH			
* EP40	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC40	8-759-394-35	IC BA12T			
		< TRANSISTOR >			
Q50	8-729-271-31	TRANSISTOR	2SC2713-G		
		< RESISTOR >			
R30	1-249-393-11	CARBON	10	5%	1/4W
R50	1-216-081-00	RES-CHIP	22K	5%	1/10W
R51	1-216-089-11	RES-CHIP	47K	5%	1/10W
R52	1-216-073-00	RES-CHIP	10K	5%	1/10W
		< RELAY >			
RY30	1-515-999-11	RELAY, POWER			

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Ref. No.	Part No.	Description			Remark
	A-1099-064-A	DIGITAL BOARD, COMPLETE (US, CND)			
	A-1099-065-A	DIGITAL BOARD, COMPLETE (AEP)			
	A-1099-066-A	DIGITAL BOARD, COMPLETE (TW, KR, CH) *************			
		< CAPACITOR/RESISTOR >			
C2001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2007	1-112-103-11	ELECT	47uF	20%	63V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2009	1-112-103-11	ELECT	47uF	20%	63V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-126-935-11	ELECT	470uF	20%	16V
C2019	1-112-103-11	ELECT	47uF	20%	63V
C2022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C2023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-112-114-11	ELECT	22uF	20%	50V
C2025	1-112-084-11	ELECT	470uF	20%	16V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2027	1-112-114-11	ELECT	22uF	20%	50V
C2028	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2031	1-216-864-11	SHORT CHIP	0 (US, CND)		
C2032	1-216-864-11	SHORT CHIP	0 (US, CND)		
C2033	1-216-833-11	METAL CHIP	10K	5%	1/10W (TW, KR, CH)
C2033	1-216-864-11	SHORT CHIP	0 (US, CND)		
C2034	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2035	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C2036	1-112-114-11	ELECT	22uF	20%	50V
C2037	1-112-114-11	ELECT	22uF	20%	50V
C2038	1-162-911-11	CERAMIC CHIP	6PF	0.5PF	50V
C2039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2041	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C2042	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C2043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2044	1-126-964-11	ELECT	10uF	20%	50V
C2045	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2046	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2047	1-112-084-11	ELECT	470uF	20%	16V
C2048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2050	1-112-083-11	ELECT	100uF	20%	16V
C2051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2052	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2053	1-112-100-11	ELECT	10uF	20%	50V
C2054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2055	1-112-100-11	ELECT	10uF	20%	50V
C2056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2057	1-112-079-11	ELECT	220uF	20%	10V
C2058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2059	1-112-097-11	ELECT	2.2uF	20%	50V
C2060	1-112-084-11	ELECT	470uF	20%	16V
C2064	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C2065	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C2066	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C2067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2068	1-112-100-11	ELECT	10uF	20%	50V
C2069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2070	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2071	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2074	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2075	1-126-964-11	ELECT	10uF	20%	50V
C2076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2078	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C2079	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description			Remark
C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2081	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2083	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2088	1-112-100-11	ELECT	10uF	20%	50V
C2089	1-112-100-11	ELECT	10uF	20%	50V
C2090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2092	1-112-100-11	ELECT	10uF	20%	50V
C2093	1-112-100-11	ELECT	10uF	20%	50V
C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2098	1-112-100-11	ELECT	10uF	20%	50V
C2099	1-112-099-11	ELECT	4.7uF	20%	50V
C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2101	1-112-100-11	ELECT	10uF	20%	50V
C2102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2103	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2106	1-112-100-11	ELECT	10uF	20%	50V
C2107	1-112-099-11	ELECT	4.7uF	20%	50V
C2108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2109	1-112-100-11	ELECT	10uF	20%	50V
C2110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2111	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2114	1-112-100-11	ELECT	10uF	20%	50V
C2115	1-112-099-11	ELECT	4.7uF	20%	50V
C2116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2117	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2118	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2119	1-112-100-11	ELECT	10uF	20%	50V
C2120	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2122	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2124	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2126	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2128	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2129	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2130	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2133	1-112-100-11	ELECT	10uF	20%	50V
C2134	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2135	1-112-099-11	ELECT	4.7uF	20%	50V
C2136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2139	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C2140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2141	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2142	1-112-083-11	ELECT	100uF	20%	16V
C2143	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2145	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2146	1-137-429-11	MYLAR	270PF	5%	50V
C2147	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2148	1-112-100-11	ELECT	10uF	20%	50V
C2149	1-112-100-11	ELECT	10uF	20%	50V
C2150	1-126-964-11	ELECT	10uF	20%	50V
C2151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2152	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2153	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2155	1-112-100-11	ELECT	10uF	20%	50V
C2156	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2157	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2158	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2159	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2160	1-137-429-11	MYLAR	270PF	5%	50V
C2161	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2162	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2163	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2164	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2165	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2166	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2167	1-137-429-11	MYLAR	270PF	5%	50V
C2168	1-112-083-11	ELECT	100uF	20%	16V
C2169	1-112-083-11	ELECT	100uF	20%	16V
C2170	1-112-100-11	ELECT	10uF	20%	50V
C2171	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2172	1-112-100-11	ELECT	10uF	20%	50V
C2173	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2174	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2175	1-137-429-11	MYLAR	270PF	5%	50V
C2176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2177	1-126-933-11	ELECT	100uF	20%	16V
C2178	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2181	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2182	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2183	1-137-429-11	MYLAR	270PF	5%	50V
C2184	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2185	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2186	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2187	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2188	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2189	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2190	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2191	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2193	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2194	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2195	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2196	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2197	1-162-974-11	CERAMIC CHIP	0.01uF		50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C2198	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2199	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2200	1-112-100-11	ELECT	10uF	20%	50V
C2201	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2202	1-112-100-11	ELECT	10uF	20%	50V
C2203	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2204	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2205	1-137-429-11	MYLAR	270PF	5%	50V
C2206	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2207	1-137-429-11	MYLAR	270PF	5%	50V
C2208	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2209	1-112-100-11	ELECT	10uF	20%	50V
C2210	1-112-100-11	ELECT	10uF	20%	50V
C2211	1-112-114-11	ELECT	22uF	20%	50V
C2212	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2213	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2214	1-137-429-11	MYLAR	270PF	5%	50V
C2215	1-112-114-11	ELECT	22uF	20%	50V
C2216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2218	1-126-964-11	ELECT	10uF	20%	50V
C2219	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2220	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2222	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C2223	1-126-947-11	ELECT	47uF	20%	35V
C2224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2232	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2235	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2238	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP)
C2239	1-112-080-11	ELECT	470uF	20%	10V (AEP)
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2241	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2244	1-112-084-11	ELECT	470uF	20%	16V
C2245	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2247	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C2248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2249	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2250	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2251	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2252	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2253	1-126-947-11	ELECT	47uF	20%	35V
C2254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2256	1-126-947-11	ELECT	47uF	20%	35V
C2257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2258	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2259	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2260	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2261	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2262	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2263	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2269	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2275	1-126-933-11	ELECT	100uF	20%	16V
C2276	1-126-964-11	ELECT	10uF	20%	50V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2280	1-126-960-11	ELECT	1uF	20%	50V
C2283	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2284	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2285	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2286	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2289	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (EXCEPT AEP)
C2291	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (EXCEPT AEP)
		< CONNECTOR >			
CN2002	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP)			
CN2002	1-784-776-11	CONNECTOR, FFC 15P (AEP)			
CN2003	1-569-814-11	CONNECTOR, BOARD TO BOARD 21P			
CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P			
CN2006	1-784-930-11	PIN, CONNECTOR 15P			
CN2007	1-794-002-11	CONNECTOR 13P			
CN2008	1-784-925-11	PIN, CONNECTOR 10P			
CN2009	1-794-003-11	CONNECTOR 15P			
CN2010	1-794-004-11	CONNECTOR 17P			
CN2011	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2012	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN2014	1-794-005-11	CONNECTOR 19P			
CN2015	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CN2016	1-794-006-21	CONNECTOR 20P			
		< DIODE >			
D2001	8-719-053-18	DIODE 1SR154-400TE-25			
D2002	8-719-988-61	DIODE 1SS355TE-17			
D2003	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description	Remark
D2004	8-719-801-78	DIODE 1SS184	
D2005	8-719-801-78	DIODE 1SS184	
D2006	8-719-988-61	DIODE 1SS355TE-17	
D2007	8-719-801-78	DIODE 1SS184	
D2008	8-719-066-98	DIODE RB051L-40TE25	
		< FERRITE BEAD/JUMPER RESISTOR >	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP)	
FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2007	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2008	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2009	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2010	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2011	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2012	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2013	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2014	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2015	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2016	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2017	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2018	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2019	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2020	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2024	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2025	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2026	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2027	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2028	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2029	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2030	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2031	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2032	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2033	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2034	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2035	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2036	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2038	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2039	1-216-295-00	SHORT CHIP 0	
FB2040	1-216-295-00	SHORT CHIP 0	
FB2041	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2101	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2102	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2103	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2104	1-469-139-21	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC2001	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL DVD IN)	
IC2002	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL TV/SAT IN)	
IC2003	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL MD/DAT IN)	
IC2004	6-600-461-11	IC TOTX147L (RED) (DIGITAL ASSIGNABLE OPTICAL MD/DAT OUT)	
IC2005	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL SA-CD/CD IN)	
IC2006	6-708-025-01	IC LC89057W-VF4A-E	
IC2007	8-759-233-64	IC TC74HCU04AF	
IC2008	8-759-058-62	IC TC7S08FU (TE85R)	
IC2009	8-759-236-19	IC TC74HC151AF (EL)	
IC2010	8-759-710-97	IC NJM4565M-D	
IC2011	8-759-096-87	IC TC7WU04FU (TE12R)	
IC2012	8-759-268-29	IC SN74HC595ANS	
IC2013	8-759-649-46	IC SN74AHC1G08DCKR	
IC2014	8-759-058-62	IC TC7S08FU (TE85R)	
IC2015	8-759-649-46	IC SN74AHC1G08DCKR	
IC2016	8-759-649-46	IC SN74AHC1G08DCKR	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)	
IC2018	8-759-524-10	IC TC74VHC157FT (EL)	
IC2019	8-759-524-10	IC TC74VHC157FT (EL)	
IC2020	8-759-524-09	IC TC74VHC153FT (EL)	
IC2021	8-759-548-96	IC SN74LV02APWR	
IC2022	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2024	6-707-079-01	IC CXD9856N	
IC2025	6-707-079-01	IC CXD9856N	
IC2026	6-707-079-01	IC CXD9856N	
IC2027	8-759-649-46	IC SN74AHC1G08DCKR	
IC2028	6-702-288-01	IC CXD9722TQ	
IC2029	6-703-791-01	IC MSM56V16160F-8T3FM1	
IC2030	8-759-327-60	IC TC7W125FU-TE12R	
IC2031	6-707-079-01	IC CXD9856N	
IC2032	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2033	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2034	6-703-787-01	IC PCM1609KPTR	
IC2035	8-759-523-81	IC TC74VHC08FT (EL)	
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2037	8-759-710-97	IC NJM4565M-D	
IC2038	8-759-524-50	IC TC74VHC541FT (EL)	
IC2039	8-759-524-10	IC TC74VHC157FT (EL)	
IC2040	8-759-710-97	IC NJM4565M-D	
IC2041	8-759-008-37	IC MC74HC4050F	
IC2042	8-759-710-97	IC NJM4565M-D	
IC2043	8-759-710-97	IC NJM4565M-D	
IC2044	8-759-268-29	IC SN74HC595ANS	
IC2045	8-759-268-29	IC SN74HC595ANS	
IC2046	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2047	8-759-058-62	IC TC7S08FU (TE85R)	
IC2048	8-759-666-99	IC TMP87CH447U-1F23	
IC2049	8-759-008-37	IC MC74HC4050F	
IC2050	8-759-445-59	IC BA033T (AEP)	
IC2051	6-702-912-01	IC S-80942CNMC-G9CT2G	
IC2052	8-759-473-41	IC BA10T	
IC2053	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2054	6-805-280-01	IC MB91F355APMT-A70ES-X110	
IC2055	6-704-004-01	IC BR24L16F-WE2	
IC2056	8-759-277-63	IC TC7W14FU (TE12R)	
IC2057	8-759-058-62	IC TC7S08FU (TE85R)	

DIGITAL

Ref. No.	Part No.	Description			Remark
		< JACK >			
J2001	1-817-958-11	JACK, PIN 2P (DIGITAL ASSIGNABLE COAXIAL TV/SAT/SA-CD/CD IN)			
J2002	1-818-300-11	JACK, PIN 1P (DIGITAL ASSIGNABLE COAXIAL DVD IN)			
		< TRANSISTOR >			
Q2001	8-729-216-22	TRANSISTOR	2SA1162-G		
Q2002	1-801-806-11	TRANSISTOR	DTC144EKA-T146		
Q2003	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q2004	1-801-806-11	TRANSISTOR	DTC144EKA-T146		
Q2005	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2006	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q2007	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2008	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2009	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2010	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2011	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R2001	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2002	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2003	1-216-809-11	METAL CHIP	100	5%	1/10W
R2004	1-216-809-11	METAL CHIP	100	5%	1/10W
R2005	1-216-809-11	METAL CHIP	100	5%	1/10W
R2006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2007	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2009	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2010	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2011	1-216-809-11	METAL CHIP	100	5%	1/10W
R2012	1-216-809-11	METAL CHIP	100	5%	1/10W
R2013	1-216-809-11	METAL CHIP	100	5%	1/10W
R2014	1-216-809-11	METAL CHIP	100	5%	1/10W
R2016	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2017	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2018	1-216-805-11	METAL CHIP	47	5%	1/10W
R2019	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2020	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2021	1-216-809-11	METAL CHIP	100	5%	1/10W
R2022	1-216-809-11	METAL CHIP	100	5%	1/10W
R2023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2025	1-216-809-11	METAL CHIP	100	5%	1/10W
R2026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2028	1-216-809-11	METAL CHIP	100	5%	1/10W
R2029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2030	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP)
R2031	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2032	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2033	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2034	1-216-809-11	METAL CHIP	100	5%	1/10W
R2035	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP)
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W
R2037	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP)
R2038	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-809-11	METAL CHIP	100	5%	1/10W
R2040	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2041	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2042	1-216-817-11	METAL CHIP	470	5%	1/10W
R2043	1-216-809-11	METAL CHIP	100	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W
R2045	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2046	1-216-809-11	METAL CHIP	100	5%	1/10W
R2047	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2049	1-216-809-11	METAL CHIP	100	5%	1/10W
R2050	1-216-809-11	METAL CHIP	100	5%	1/10W
R2051	1-216-809-11	METAL CHIP	100	5%	1/10W
R2052	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2054	1-216-809-11	METAL CHIP	100	5%	1/10W
R2055	1-216-805-11	METAL CHIP	47	5%	1/10W
R2056	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R2059	1-216-809-11	METAL CHIP	100	5%	1/10W
R2060	1-216-819-11	METAL CHIP	680	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2062	1-216-809-11	METAL CHIP	100	5%	1/10W
R2063	1-216-809-11	METAL CHIP	100	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W
R2065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2066	1-216-809-11	METAL CHIP	100	5%	1/10W
R2067	1-216-809-11	METAL CHIP	100	5%	1/10W
R2068	1-216-809-11	METAL CHIP	100	5%	1/10W
R2069	1-216-809-11	METAL CHIP	100	5%	1/10W
R2070	1-216-809-11	METAL CHIP	100	5%	1/10W
R2071	1-216-809-11	METAL CHIP	100	5%	1/10W
R2072	1-216-864-11	SHORT CHIP	0		
R2073	1-216-864-11	SHORT CHIP	0		
R2074	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-805-11	METAL CHIP	47	5%	1/10W
R2076	1-216-809-11	METAL CHIP	100	5%	1/10W
R2077	1-216-805-11	METAL CHIP	47	5%	1/10W
R2078	1-216-805-11	METAL CHIP	47	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W
R2080	1-216-805-11	METAL CHIP	47	5%	1/10W
R2081	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
R2083	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2085	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2088	1-216-809-11	METAL CHIP	100	5%	1/10W
R2089	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2090	1-216-809-11	METAL CHIP	100	5%	1/10W
R2092	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2095	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W
R2097	1-216-864-11	SHORT CHIP	0		
R2098	1-216-809-11	METAL CHIP	100	5%	1/10W
R2099	1-216-809-11	METAL CHIP	100	5%	1/10W
R2100	1-216-809-11	METAL CHIP	100	5%	1/10W
R2101	1-216-809-11	METAL CHIP	100	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
R2104	1-216-809-11	METAL CHIP	100	5%	1/10W
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W
R2106	1-216-809-11	METAL CHIP	100	5%	1/10W
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
R2108	1-216-805-11	METAL CHIP	47	5%	1/10W
R2109	1-216-809-11	METAL CHIP	100	5%	1/10W
R2111	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W
R2113	1-216-809-11	METAL CHIP	100	5%	1/10W
R2114	1-216-809-11	METAL CHIP	100	5%	1/10W
R2115	1-216-809-11	METAL CHIP	100	5%	1/10W
R2116	1-216-809-11	METAL CHIP	100	5%	1/10W
R2117	1-216-809-11	METAL CHIP	100	5%	1/10W
R2118	1-216-809-11	METAL CHIP	100	5%	1/10W
R2119	1-216-809-11	METAL CHIP	100	5%	1/10W
R2120	1-216-809-11	METAL CHIP	100	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W
R2122	1-216-805-11	METAL CHIP	47	5%	1/10W
R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
R2126	1-216-809-11	METAL CHIP	100	5%	1/10W
R2127	1-216-809-11	METAL CHIP	100	5%	1/10W
R2128	1-216-805-11	METAL CHIP	47	5%	1/10W
R2129	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2130	1-216-809-11	METAL CHIP	100	5%	1/10W
R2131	1-216-809-11	METAL CHIP	100	5%	1/10W
R2132	1-216-809-11	METAL CHIP	100	5%	1/10W
R2133	1-216-809-11	METAL CHIP	100	5%	1/10W
R2134	1-216-805-11	METAL CHIP	47	5%	1/10W
R2135	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2136	1-216-809-11	METAL CHIP	100	5%	1/10W
R2137	1-216-809-11	METAL CHIP	100	5%	1/10W
R2138	1-216-809-11	METAL CHIP	100	5%	1/10W
R2139	1-216-809-11	METAL CHIP	100	5%	1/10W
R2140	1-216-809-11	METAL CHIP	100	5%	1/10W
R2141	1-216-805-11	METAL CHIP	47	5%	1/10W
R2142	1-216-809-11	METAL CHIP	100	5%	1/10W
R2143	1-216-809-11	METAL CHIP	100	5%	1/10W
R2144	1-216-809-11	METAL CHIP	100	5%	1/10W
R2145	1-216-809-11	METAL CHIP	100	5%	1/10W
R2146	1-216-809-11	METAL CHIP	100	5%	1/10W
R2147	1-216-809-11	METAL CHIP	100	5%	1/10W
R2148	1-216-809-11	METAL CHIP	100	5%	1/10W
R2149	1-216-809-11	METAL CHIP	100	5%	1/10W
R2150	1-216-809-11	METAL CHIP	100	5%	1/10W
R2151	1-216-809-11	METAL CHIP	100	5%	1/10W
R2152	1-216-809-11	METAL CHIP	100	5%	1/10W
R2153	1-216-809-11	METAL CHIP	100	5%	1/10W
R2154	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2155	1-216-809-11	METAL CHIP	100	5%	1/10W
R2156	1-216-809-11	METAL CHIP	100	5%	1/10W
R2157	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2158	1-216-809-11	METAL CHIP	100	5%	1/10W
R2159	1-216-809-11	METAL CHIP	100	5%	1/10W
R2160	1-216-809-11	METAL CHIP	100	5%	1/10W
R2161	1-216-809-11	METAL CHIP	100	5%	1/10W
R2162	1-216-809-11	METAL CHIP	100	5%	1/10W
R2163	1-216-809-11	METAL CHIP	100	5%	1/10W
R2164	1-216-809-11	METAL CHIP	100	5%	1/10W
R2165	1-216-809-11	METAL CHIP	100	5%	1/10W
R2166	1-216-809-11	METAL CHIP	100	5%	1/10W
R2167	1-216-809-11	METAL CHIP	100	5%	1/10W
R2168	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2169	1-216-809-11	METAL CHIP	100	5%	1/10W
R2170	1-216-809-11	METAL CHIP	100	5%	1/10W
R2171	1-216-809-11	METAL CHIP	100	5%	1/10W
R2172	1-216-809-11	METAL CHIP	100	5%	1/10W
R2173	1-216-809-11	METAL CHIP	100	5%	1/10W
R2174	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2175	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2176	1-216-809-11	METAL CHIP	100	5%	1/10W
R2177	1-216-809-11	METAL CHIP	100	5%	1/10W
R2178	1-216-809-11	METAL CHIP	100	5%	1/10W
R2179	1-216-809-11	METAL CHIP	100	5%	1/10W
R2180	1-216-864-11	SHORT CHIP	0		
R2181	1-216-805-11	METAL CHIP	47	5%	1/10W
R2182	1-216-864-11	SHORT CHIP	0		
R2183	1-216-864-11	SHORT CHIP	0		
R2184	1-216-813-11	METAL CHIP	220	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2187	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2188	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2189	1-216-809-11	METAL CHIP	100	5%	1/10W
R2190	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2191	1-216-809-11	METAL CHIP	100	5%	1/10W
R2192	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2193	1-216-809-11	METAL CHIP	100	5%	1/10W
R2194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2195	1-216-809-11	METAL CHIP	100	5%	1/10W
R2196	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2197	1-216-809-11	METAL CHIP	100	5%	1/10W
R2198	1-216-805-11	METAL CHIP	47	5%	1/10W
R2199	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2200	1-216-809-11	METAL CHIP	100	5%	1/10W
R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2204	1-216-809-11	METAL CHIP	100	5%	1/10W
R2205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2206	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2210	1-216-809-11	METAL CHIP	100	5%	1/10W
R2211	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2212	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2213	1-216-809-11	METAL CHIP	100	5%	1/10W
R2214	1-216-809-11	METAL CHIP	100	5%	1/10W
R2215	1-216-809-11	METAL CHIP	100	5%	1/10W
R2216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2217	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2218	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2220	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2223	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2224	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2225	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2226	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2227	1-216-809-11	METAL CHIP	100	5%	1/10W
R2228	1-216-809-11	METAL CHIP	100	5%	1/10W
R2229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2230	1-216-809-11	METAL CHIP	100	5%	1/10W
R2231	1-216-809-11	METAL CHIP	100	5%	1/10W
R2232	1-216-809-11	METAL CHIP	100	5%	1/10W
R2233	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2234	1-216-805-11	METAL CHIP	47	5%	1/10W
R2235	1-216-805-11	METAL CHIP	47	5%	1/10W
R2236	1-216-805-11	METAL CHIP	47	5%	1/10W
R2237	1-216-809-11	METAL CHIP	100	5%	1/10W
R2238	1-216-805-11	METAL CHIP	47	5%	1/10W
R2239	1-216-805-11	METAL CHIP	47	5%	1/10W
R2240	1-216-805-11	METAL CHIP	47	5%	1/10W
R2242	1-216-805-11	METAL CHIP	47	5%	1/10W
R2243	1-216-805-11	METAL CHIP	47	5%	1/10W
R2244	1-216-805-11	METAL CHIP	47	5%	1/10W
R2245	1-216-809-11	METAL CHIP	100	5%	1/10W
R2246	1-216-805-11	METAL CHIP	47	5%	1/10W
R2247	1-216-805-11	METAL CHIP	47	5%	1/10W
R2248	1-216-805-11	METAL CHIP	47	5%	1/10W
R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2251	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2252	1-216-805-11	METAL CHIP	47	5%	1/10W
R2253	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2254	1-216-809-11	METAL CHIP	100	5%	1/10W
R2255	1-216-805-11	METAL CHIP	47	5%	1/10W
R2256	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2258	1-216-809-11	METAL CHIP	100	5%	1/10W
R2259	1-216-809-11	METAL CHIP	100	5%	1/10W
R2260	1-216-809-11	METAL CHIP	100	5%	1/10W
R2261	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2262	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2263	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2264	1-216-809-11	METAL CHIP	100	5%	1/10W
R2265	1-216-809-11	METAL CHIP	100	5%	1/10W
R2266	1-216-809-11	METAL CHIP	100	5%	1/10W
R2267	1-216-809-11	METAL CHIP	100	5%	1/10W
R2268	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2270	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2271	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2272	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2273	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2274	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2275	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2276	1-216-809-11	METAL CHIP	100	5%	1/10W
R2277	1-216-809-11	METAL CHIP	100	5%	1/10W
R2278	1-216-809-11	METAL CHIP	100	5%	1/10W
R2279	1-216-809-11	METAL CHIP	100	5%	1/10W
R2280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2281	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2282	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2283	1-216-809-11	METAL CHIP	100	5%	1/10W
R2284	1-216-809-11	METAL CHIP	100	5%	1/10W
R2285	1-216-809-11	METAL CHIP	100	5%	1/10W
R2286	1-216-809-11	METAL CHIP	100	5%	1/10W
R2287	1-216-809-11	METAL CHIP	100	5%	1/10W
R2288	1-216-809-11	METAL CHIP	100	5%	1/10W
R2289	1-216-809-11	METAL CHIP	100	5%	1/10W
R2290	1-216-809-11	METAL CHIP	100	5%	1/10W
R2291	1-216-809-11	METAL CHIP	100	5%	1/10W
R2292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2293	1-216-809-11	METAL CHIP	100	5%	1/10W
R2294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2297	1-216-809-11	METAL CHIP	100	5%	1/10W
R2298	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2299	1-216-797-11	METAL CHIP	10	5%	1/10W
R2300	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
R2302	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2303	1-216-809-11	METAL CHIP	100	5%	1/10W
R2305	1-216-809-11	METAL CHIP	100	5%	1/10W
R2306	1-216-809-11	METAL CHIP	100	5%	1/10W
R2307	1-216-864-11	SHORT CHIP	0		
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2309	1-216-809-11	METAL CHIP	100	5%	1/10W
R2310	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2311	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2312	1-216-809-11	METAL CHIP	100	5%	1/10W
R2313	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2315	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2316	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2317	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP)
R2318	1-216-837-11	METAL CHIP	22K	5%	1/10W (TW, KR, CH)
R2318	1-216-864-11	SHORT CHIP	0 (AEP)		
R2319	1-216-809-11	METAL CHIP	100	5%	1/10W
R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2327	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2329	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2331	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(EXCEPT AEP)
R2332	1-216-809-11	METAL CHIP	100	5%	1/10W
R2333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2334	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2337	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2339	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2340	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2343	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2344	1-216-809-11	METAL CHIP	100	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2346	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2347	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2348	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2349	1-216-833-11	METAL CHIP	10K	5%	1/10W
					(EXCEPT AEP)
R2350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2351	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2354	1-216-809-11	METAL CHIP	100	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2358	1-216-809-11	METAL CHIP	100	5%	1/10W
R2359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2360	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2370	1-216-809-11	METAL CHIP	100	5%	1/10W
R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2373	1-216-809-11	METAL CHIP	100	5%	1/10W
R2374	1-216-809-11	METAL CHIP	100	5%	1/10W
R2375	1-216-809-11	METAL CHIP	100	5%	1/10W
R2376	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2380	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2382	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2384	1-216-809-11	METAL CHIP	100	5%	1/10W
R2385	1-216-809-11	METAL CHIP	100	5%	1/10W
R2386	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2388	1-216-809-11	METAL CHIP	100	5%	1/10W
R2389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2390	1-216-815-11	METAL CHIP	330	5%	1/10W
R2391	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2398	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2399	1-216-809-11	METAL CHIP	100	5%	1/10W
R2400	1-216-809-11	METAL CHIP	100	5%	1/10W
R2401	1-216-809-11	METAL CHIP	100	5%	1/10W
R2402	1-216-809-11	METAL CHIP	100	5%	1/10W
R2403	1-216-809-11	METAL CHIP	100	5%	1/10W
R2404	1-216-809-11	METAL CHIP	100	5%	1/10W
R2405	1-216-809-11	METAL CHIP	100	5%	1/10W
R2406	1-216-809-11	METAL CHIP	100	5%	1/10W
R2407	1-216-809-11	METAL CHIP	100	5%	1/10W
R2408	1-216-809-11	METAL CHIP	100	5%	1/10W
R2409	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-809-11	METAL CHIP	100	5%	1/10W
R2411	1-216-864-11	SHORT CHIP	0		
R2412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2413	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2414	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2415	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2416	1-216-809-11	METAL CHIP	100	5%	1/10W
R2417	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2420	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP)		

< VIBRATOR >

Ref. No.	Part No.	Description
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)
X2002	1-767-286-11	VIBRATOR, CRYSTAL (22.5792MHz)
X2003	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)

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A-1066-267-A DSP BOARD, COMPLETE

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< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1	1-100-635-21	ELECT CHIP	82uF	20%	4V
C3	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-165-628-21	ELECT CHIP	100uF	20%	2V
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

DSP

Ref. No.	Part No.	Description			Remark
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C36	1-117-370-11	CERAMIC CHIP	10uF		10V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C70	1-117-370-11	CERAMIC CHIP	10uF		10V
C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C80	1-100-635-21	ELECT CHIP	82uF	20%	4V
C81	1-165-628-21	ELECT CHIP	100uF	20%	2V
C85	1-117-370-11	CERAMIC CHIP	10uF		10V
C88	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C89	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C91	1-117-370-11	CERAMIC CHIP	10uF		10V
C92	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C93	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C94	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C95	1-117-370-11	CERAMIC CHIP	10uF		10V
C96	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C97	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN1	1-815-136-21	CONNECTOR, BOARD TO BOARD			
CN2	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
		< FERRITE BEAD >			
FB1	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB2	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB3	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB4	1-469-324-21	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC1	6-705-308-01	IC SI-3010KM-TL			
IC2	6-706-764-01	IC ADSP21266SKSTZ-2C			
IC3	6-706-765-01	IC SST25VF040-20-4C-QAE-T			
IC4	8-759-680-48	IC TC7WH157FK (TE85R)			
IC5	8-759-831-52	IC TC7WH125FK (TE85R)			
IC6	6-701-373-01	IC MC74LCX16373DTR2			
IC7	6-706-791-01	IC IC61LV12816-8TG			
		< RESISTOR >			
R1	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R2	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R5	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9	1-216-833-11	METAL CHIP	10K	5%	1/10W
R12	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R14	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R15	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W
R23	1-216-817-11	METAL CHIP	470	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R31	1-216-833-11	METAL CHIP	10K	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R34	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-833-11	METAL CHIP	10K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R46	1-216-801-11	METAL CHIP	22	5%	1/10W
R47	1-216-864-11	SHORT CHIP	0		
R48	1-216-864-11	SHORT CHIP	0		
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-864-11	SHORT CHIP	0		
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R55	1-216-864-11	SHORT CHIP	0		
R56	1-216-864-11	SHORT CHIP	0		
R57	1-216-864-11	SHORT CHIP	0		
R58	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-801-11	METAL CHIP	22	5%	1/10W
R61	1-216-864-11	SHORT CHIP	0		
R62	1-216-864-11	SHORT CHIP	0		
R63	1-216-864-11	SHORT CHIP	0		
R64	1-216-801-11	METAL CHIP	22	5%	1/10W
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R68	1-216-801-11	METAL CHIP	22	5%	1/10W
R69	1-216-864-11	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB1	1-234-523-21	RES, CHIP NETWORK		0 (3216)	
RB6	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB7	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB8	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB9	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB10	1-234-524-21	RES, CHIP NETWORK		33 (3216)	
RB11	1-234-524-21	RES, CHIP NETWORK		33 (3216)	
RB12	1-234-524-21	RES, CHIP NETWORK		33 (3216)	
RB13	1-234-524-21	RES, CHIP NETWORK		33 (3216)	
		< VIBRATOR >			
X1	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			

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A-1099-069-A FAN BOARD, COMPLETE
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C5055	1-126-934-11	ELECT	220uF	20%	16V
C5056	1-126-934-11	ELECT	220uF	20%	16V
C5073	1-104-662-91	ELECT	22uF	20%	25V
C5074	1-104-662-91	ELECT	22uF	20%	25V
C5075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
* CN5001	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN5002	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
		< DIODE >			
D5501	8-719-978-33	DIODE DTZ-TT11-6.8B			
		< IC >			
IC5003	8-759-450-54	IC BA15T			
		< IC >			
PC5001	6-600-438-01	IC TLP421F (D4-GR)			
		< TRANSISTOR >			
Q5002	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R5012	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5014	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R5016	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R5018	1-216-809-11	METAL CHIP	100	5%	1/10W
R5019	1-218-847-11	METAL CHIP	1K	0.5%	1/10W

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A-1099-059-A FILTER-L BOARD, COMPLETE
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C1639	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1640	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1641	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1642	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1643	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1644	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1645	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1646	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1647	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1648	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1649	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1650	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1651	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1652	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1653	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1654	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1655	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1656	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1657	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1658	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1659	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1660	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1661	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1662	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1663	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1664	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1665	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1666	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1667	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1668	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1669	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1670	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1671	1-112-043-11	MYLAR	1uF	10%	250V
C1672	1-112-043-11	MYLAR	1uF	10%	250V
C1673	1-112-043-11	MYLAR	1uF	10%	250V
C1674	1-112-043-11	MYLAR	1uF	10%	250V
C1675	1-112-043-11	MYLAR	1uF	10%	250V
C1676	1-112-043-11	MYLAR	1uF	10%	250V
C1677	1-112-043-11	MYLAR	1uF	10%	250V
C1678	1-112-043-11	MYLAR	1uF	10%	250V
C1712	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1713	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1715	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN1407	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
* CN1408	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CN1501	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			

FILTER-L **FILTER-R**

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D1513	8-719-988-61	DIODE 1SS355TE-17			
D1514	8-719-988-61	DIODE 1SS355TE-17			
D1515	8-719-988-61	DIODE 1SS355TE-17			
D1516	8-719-988-61	DIODE 1SS355TE-17			
D1517	8-719-988-61	DIODE 1SS355TE-17			
D1518	8-719-988-61	DIODE 1SS355TE-17			
D1519	8-719-988-61	DIODE 1SS355TE-17			
D1520	8-719-988-61	DIODE 1SS355TE-17			
D1521	8-719-988-61	DIODE 1SS355TE-17			
D1522	8-719-988-61	DIODE 1SS355TE-17			
D1523	8-719-988-61	DIODE 1SS355TE-17			
D1524	8-719-988-61	DIODE 1SS355TE-17			
D1525	8-719-988-61	DIODE 1SS355TE-17			
D1526	8-719-988-61	DIODE 1SS355TE-17			
D1527	8-719-988-61	DIODE 1SS355TE-17			
D1528	8-719-988-61	DIODE 1SS355TE-17			
D1546	8-719-988-61	DIODE 1SS355TE-17			
D1547	8-719-988-61	DIODE 1SS355TE-17			
D1548	8-719-988-61	DIODE 1SS355TE-17			
D1549	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
* EP1406	1-537-738-21	TERMINAL, EARTH			
* EP1407	1-537-738-21	TERMINAL, EARTH			
		< COIL >			
L1401	1-456-412-11	INDUCTOR	10uH		
L1402	1-456-412-11	INDUCTOR	10uH		
L1403	1-456-412-11	INDUCTOR	10uH		
L1404	1-456-412-11	INDUCTOR	10uH		
L1405	1-456-412-11	INDUCTOR	10uH		
L1406	1-456-412-11	INDUCTOR	10uH		
L1407	1-456-412-11	INDUCTOR	10uH		
L1408	1-456-412-11	INDUCTOR	10uH		
		< IC >			
PC1504	6-600-147-01	IC TLP124 (BV-TPL)			
PC1505	6-600-147-01	IC TLP124 (BV-TPL)			
PC1506	6-600-147-01	IC TLP124 (BV-TPL)			
PC1507	6-600-147-01	IC TLP124 (BV-TPL)			
		< RESISTOR >			
R1662	1-249-226-31	CARBON	4.7K	5%	1/3W
R1663	1-249-226-31	CARBON	4.7K	5%	1/3W
R1664	1-249-226-31	CARBON	4.7K	5%	1/3W
R1665	1-249-226-31	CARBON	4.7K	5%	1/3W
R1676	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1677	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1678	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1679	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1682	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1683	1-216-833-11	METAL CHIP	10K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
	A-1099-057-A	FILTER-R BOARD, COMPLETE **************			
		< CAPACITOR >			
C1679	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1680	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1681	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1682	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1683	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1684	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1685	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1686	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1687	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1688	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1689	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1690	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1691	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1692	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1693	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1694	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1695	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1696	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1697	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1698	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1699	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1700	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1701	1-112-043-11	MYLAR	1uF	10%	250V
C1702	1-112-043-11	MYLAR	1uF	10%	250V
C1703	1-112-043-11	MYLAR	1uF	10%	250V
C1704	1-112-043-11	MYLAR	1uF	10%	250V
C1705	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1706	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1707	1-112-043-11	MYLAR	1uF	10%	250V
C1708	1-112-043-11	MYLAR	1uF	10%	250V
C1709	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1710	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN1401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN1409	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P			
CN1502	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
		< DIODE >			
D1501	8-719-988-61	DIODE 1SS355TE-17			
D1502	8-719-988-61	DIODE 1SS355TE-17			
D1503	8-719-988-61	DIODE 1SS355TE-17			
D1504	8-719-988-61	DIODE 1SS355TE-17			
D1505	8-719-988-61	DIODE 1SS355TE-17			
D1506	8-719-988-61	DIODE 1SS355TE-17			
D1507	8-719-988-61	DIODE 1SS355TE-17			
D1508	8-719-988-61	DIODE 1SS355TE-17			
D1509	8-719-988-61	DIODE 1SS355TE-17			
D1510	8-719-988-61	DIODE 1SS355TE-17			
D1511	8-719-988-61	DIODE 1SS355TE-17			
D1512	8-719-988-61	DIODE 1SS355TE-17			
D1543	8-719-988-61	DIODE 1SS355TE-17			
D1544	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description			Remark
D1545	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
* EP1408	1-537-738-21	TERMINAL, EARTH			
* EP1409	1-537-738-21	TERMINAL, EARTH			
		< COIL >			
L1409	1-456-412-11	INDUCTOR	10uH		
L1410	1-456-412-11	INDUCTOR	10uH		
L1411	1-456-412-11	INDUCTOR	10uH		
L1412	1-456-412-11	INDUCTOR	10uH		
L1413	1-456-412-11	INDUCTOR	10uH		
L1414	1-456-412-11	INDUCTOR	10uH		
		< IC >			
PC1501	6-600-147-01	IC TLP124 (BV-TPL)			
PC1502	6-600-147-01	IC TLP124 (BV-TPL)			
PC1503	6-600-147-01	IC TLP124 (BV-TPL)			
		< RESISTOR >			
R1666	1-249-226-31	CARBON	4.7K	5%	1/3W
R1667	1-249-226-31	CARBON	4.7K	5%	1/3W
R1668	1-249-226-31	CARBON	4.7K	5%	1/3W
R1670	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1671	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1672	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1673	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1674	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1675	1-216-833-11	METAL CHIP	10K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
	A-1066-262-A	FL BOARD, COMPLETE ********			
	2-389-320-01	CUSHION			
	4-246-106-01	HOLDER (FL)			
		< CAPACITOR >			
C1001	1-124-589-11	ELECT	47uF	20%	16V
C1002	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1003	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1008	1-124-589-11	ELECT	47uF	20%	16V
C1009	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1010	1-126-795-11	ELECT	10uF	20%	50V
C1011	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1012	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1013	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1014	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1018	1-165-726-31	ELECT	56uF	20%	16V
C1019	1-107-381-91	MYLAR	0.012uF	5%	200V
C1020	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1021	1-165-746-31	ELECT	22uF	20%	50V
C1022	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1038	1-165-746-31	ELECT	22uF	20%	50V
		< CONNECTOR >			
CN1001	1-794-006-21	CONNECTOR 20P			
CN1002	1-794-005-11	CONNECTOR 19P			
* CN1003	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN1007	1-785-819-11	HOUSING, CONNECTOR (PC BOARD) 15P			
		< DIODE >			
D1002	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)			
D1003	6-500-458-01	LED SELU5E20C-PTP15 (MULTI CHANNEL DECODING)			
D1004	8-719-313-50	LED SEL6810A-TH12 (PHONO)			
D1005	8-719-313-50	LED SEL6810A-TH12 (TUNER)			
D1006	8-719-313-50	LED SEL6810A-TH12 (SA-CD/CD)			
D1007	8-719-313-50	LED SEL6810A-TH12 (MD/DAT)			
D1008	8-719-313-50	LED SEL6810A-TH12 (TAPE)			
D1009	8-719-313-50	LED SEL6810A-TH12 (TV/SAT)			
D1010	8-719-313-50	LED SEL6810A-TH12 (DVD)			
D1011	8-719-313-50	LED SEL6810A-TH12 (VIDEO3)			
D1012	8-719-313-50	LED SEL6810A-TH12 (VIDEO2)			
D1013	8-719-313-50	LED SEL6810A-TH12 (VIDEO1)			
D1015	8-719-041-97	DIODE MA113- (TX)			
D1016	8-719-041-97	DIODE MA113- (TX)			
D1017	8-719-041-97	DIODE MA113- (TX)			
D1018	8-719-041-97	DIODE MA113- (TX)			
D1019	8-719-056-84	DIODE UDZ-TE-17-7.5B			
		< FLUORESCENT INDICATOR >			
FL1001	1-519-763-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC1001	8-759-827-69	IC NJL63H400A-1			
IC1002	8-759-238-47	IC TC74HCT7007AF (EL)			
IC1003	8-759-238-47	IC TC74HCT7007AF (EL)			
IC1004	8-759-587-81	IC NJU3716M-TE2			
		< COIL >			
L1001	1-456-519-11	INDUCTOR	150uH		
		< TRANSISTOR >			
Q1001	8-729-808-42	TRANSISTOR	2SD1624-T		
Q1002	8-729-808-42	TRANSISTOR	2SD1624-T		
		< RESISTOR >			
R1001	1-216-001-00	RES-CHIP	10	5%	1/10W
⚠R1002	1-249-385-11	CARBON	2.2	5%	1/4W F
⚠R1003	1-249-385-11	CARBON	2.2	5%	1/4W F
R1004	1-216-025-11	RES-CHIP	100	5%	1/10W
R1005	1-216-025-11	RES-CHIP	100	5%	1/10W
R1006	1-216-025-11	RES-CHIP	100	5%	1/10W
R1007	1-216-025-11	RES-CHIP	100	5%	1/10W
R1008	1-216-025-11	RES-CHIP	100	5%	1/10W
R1009	1-216-025-11	RES-CHIP	100	5%	1/10W
R1010	1-216-025-11	RES-CHIP	100	5%	1/10W
R1011	1-216-025-11	RES-CHIP	100	5%	1/10W
R1012	1-216-025-11	RES-CHIP	100	5%	1/10W
R1013	1-216-025-11	RES-CHIP	100	5%	1/10W
R1014	1-216-025-11	RES-CHIP	100	5%	1/10W
R1016	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1017	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1018	1-216-089-11	RES-CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1020	1-216-037-00	RES-CHIP	330	5%	1/10W
R1021	1-216-037-00	RES-CHIP	330	5%	1/10W
R1022	1-216-022-00	RES-CHIP	75	5%	1/10W
R1023	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1024	1-216-029-00	RES-CHIP	150	5%	1/10W
R1026	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1027	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1028	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1029	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1030	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1031	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1032	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1033	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1035	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1036	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1037	1-216-025-11	RES-CHIP	100	5%	1/10W
R1038	1-216-025-11	RES-CHIP	100	5%	1/10W
R1039	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1040	1-216-295-00	SHORT CHIP	0		
		< SWITCH >			
S1001	1-771-349-21	SWITCH, KEYBOARD (i.LINK)			
S1002	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)			
S1003	1-771-349-21	SWITCH, KEYBOARD (SURR BACK DECODING)			
S1004	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S1005	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S1006	1-771-349-21	SWITCH, KEYBOARD (USER PRESET)			
S1007	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
S1008	1-771-349-21	SWITCH, KEYBOARD (FM/AM)			
S1009	1-771-349-21	SWITCH, KEYBOARD (TUNING +)			
S1010	1-771-349-21	SWITCH, KEYBOARD (TUNING –)			
S1011	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S1012	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING –)			
		< TRANSFORMER >			
T1001	1-439-837-11	TRANSFORMER, DC-DC CONVERTER			

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Ref. No.	Part No.	Description			Remark
	1-688-726-11	FUNCTION BOARD			
		**************			
		< CONNECTOR >			
* CN1005	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
		< RESISTOR >			
R1055	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1006	1-418-589-11	ENCODER, ROTARY (INPUT SELECTOR)			
		< SWITCH >			
S1014	1-771-349-21	SWITCH, KEYBOARD (HDMI)			

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Ref. No.	Part No.	Description			Remark
		HDMI POWER BOARD			
		******************			
		< CAPACITOR >			
C5401	1-117-305-51	ELECT	2700uF	20%	16V
C5402	1-117-249-51	ELECT	1200uF	20%	6.3V
C5403	1-117-249-51	ELECT	1200uF	20%	6.3V
		< CONNECTOR >			
CN5401	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CN5402	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
		< DIODE >			
D5401	8-719-301-45	DIODE RK14			
		< EARTH TERMINAL >			
* EP5401	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC5401	8-759-474-09	IC SI-8050S-LF1101			
		< COIL >			
L5401	1-456-545-11	INDUCTOR	100uH		
L5402	1-456-545-11	INDUCTOR	100uH		
		< TRANSISTOR >			
Q5401	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q5402	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q5403	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R5401	1-216-073-00	RES-CHIP	10K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
	1-688-723-11	HP BOARD			
		*********			
		< CAPACITOR >			
C1025	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1026	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1027	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1041	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN1011	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN1012	1-779-978-11	PIN, CONNECTOR 3P			
		< JACK >			
J1001	1-815-313-21	JACK (PHONES)			
		< JUMPER RESISTOR >			
JW1011	1-216-295-00	SHORT CHIP	0		
JW1012	1-216-295-00	SHORT CHIP	0		
JW1013	1-216-295-00	SHORT CHIP	0		
JW1014	1-216-295-00	SHORT CHIP	0		

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Ref. No.	Part No.	Description			Remark
◊	A-1126-993-A	ILINK BOARD, COMPLETE (for SERVICE)			
		**********************			
		< CAPACITOR >			
C3001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3002	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C3003	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C3004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3006	1-112-089-11	ELECT	47uF	20%	25V
C3007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3008	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C3009	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C3010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3011	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3020	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3022	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3029	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3030	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3040	1-112-117-11	ELECT	220uF	20%	10V
C3041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3044	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3045	1-112-089-11	ELECT	47uF	20%	25V
C3046	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3047	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3055	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3057	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3059	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3060	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3063	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3065	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3066	1-112-120-11	ELECT	1000uF	20%	10V
C3067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3068	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3070	1-136-171-00	MYLAR	0.33uF	5%	50V
C3071	1-136-748-11	MYLAR	3.3uF	5%	50V
C3072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3074	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3078	1-112-120-11	ELECT	1000uF	20%	10V
C3079	1-124-699-11	ELECT	220uF	20%	25V
C3080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3081	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3083	1-124-724-11	ELECT	47uF	20%	50V
C3084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3086	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3087	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3088	1-124-724-11	ELECT	47uF	20%	50V
C3089	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3092	1-112-119-11	ELECT	470uF	20%	10V
C3093	1-124-673-11	ELECT	100uF	20%	10V
C3094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3095	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3201	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3205	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3208	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3214	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3215	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

◊ Please refer to "NOTE OF HANDLING THE ILINK BOARD (Part No. A-1126-993-A)" on the service note (Page 5) for handling of this board.

ILINK

Ref. No.	Part No.	Description			Remark
C3217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3218	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3219	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3220	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3229	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3231	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3232	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3233	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3235	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3236	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3238	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3239	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3241	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3244	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3245	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3251	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3252	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3253	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3254	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3255	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3256	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3258	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3259	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3260	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3261	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3262	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3263	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C3264	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3267	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3269	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3270	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3281	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3282	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3283	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3284	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3285	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3286	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3287	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3288	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3289	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3291	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3292	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3293	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3294	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3295	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3296	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3297	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3298	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3401	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3403	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3404	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3405	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3406	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3407	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3408	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3409	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3410	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3412	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3413	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3414	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3416	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3417	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3418	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3420	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3421	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3424	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3425	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3426	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V
C3427	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3428	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3429	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V
C3430	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3431	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3432	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3433	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3434	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3435	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3436	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3437	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3438	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3439	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3440	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3441	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3442	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3443	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3444	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3445	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3446	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3447	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3448	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3449	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3450	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3451	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3452	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3453	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3454	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3455	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3456	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3457	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3458	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3501	1-126-393-11	ELECT CHIP	33uF	20%	10V
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3506	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3507	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3508	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3509	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3510	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3511	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3512	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3514	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3515	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3516	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3517	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3518	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3520	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3521	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3522	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3523	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3530	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3534	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3535	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3536	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3537	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3538	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3539	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3540	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3541	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3542	1-126-206-11	ELECT CHIP	100uF	20%	6.3V

Ref. No.	Part No.	Description			Remark
C3543	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3546	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3547	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C3548	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3549	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3550	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C3551	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3552	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3553	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3555	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3556	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3559	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3560	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-165-671-21	ELECT CHIP	470uF	20%	6.3V
		< CONNECTOR >			
CN3003	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN3004	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
* CN3005	1-564-728-11	PIN, CONNECTOR (SMALL TYPE) 12P			
CN3201	1-818-086-21	HDMI CONNECTOR (HDMI ASSIGNABLE IN 1)			
CN3202	1-818-086-21	HDMI CONNECTOR (HDMI ASSIGNABLE IN 2)			
CN3204	1-569-299-11	SOCKET, CONNECTOR (L TYRE) 5P			
CN3206	1-818-086-21	HDMI CONNECTOR (HDMI MONITOR OUT)			
CN3402	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN5003	1-770-161-21	PIN, CONNECTOR (PC BOARD) 6P			
		< DIODE >			
D3001	8-719-988-61	DIODE 1SS355TE-17			
D3002	8-719-988-61	DIODE 1SS355TE-17			
D3003	8-719-988-61	DIODE 1SS355TE-17			
D3004	8-719-988-61	DIODE 1SS355TE-17			
D3006	8-719-053-18	DIODE 1SR154-400TE-25			
D3205	8-719-988-61	DIODE 1SS355TE-17			
D3206	8-719-988-61	DIODE 1SS355TE-17			
D3207	8-719-988-61	DIODE 1SS355TE-17			
D3208	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
* EB3401	1-537-738-21	TERMINAL, EARTH			
* EB3402	1-537-738-21	TERMINAL, EARTH			
* EB3403	1-537-738-21	TERMINAL, EARTH			
* EB3404	1-537-738-21	TERMINAL, EARTH			
* EB3405	1-537-738-21	TERMINAL, EARTH			
		< FERRITE BEAD/JUMPER RESISTOR >			
FB3001	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3002	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3003	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB3004	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3005	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB3006	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3007	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3008	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3201	1-216-864-11	SHORT CHIP	0		
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3203	1-469-152-11	FERRITE, EMI (SMD) (2012)			

Ref. No.	Part No.	Description	Remark
FB3204	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3205	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3206	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3501	1-216-864-11	SHORT CHIP 0	
FB3503	1-216-864-11	SHORT CHIP 0	
		< IC >	
IC3001	(Not supplied)	IC S29AL008D70TFI01-TAA70-03	
IC3002	6-805-695-01	IC HD6432365A19FV-TAA70	
IC3003	6-706-766-01	IC TSB43CA42PGF	
IC3004	8-759-523-78	IC TC74VHC00FT (EL)	
IC3005	8-759-649-46	IC SN74AHC1G08DCKR	
IC3006	8-759-649-46	IC SN74AHC1G08DCKR	
IC3007	6-704-767-01	IC SN74AHC2G157HDCT	
IC3008	8-759-649-46	IC SN74AHC1G08DCKR	
IC3009	8-759-524-10	IC TC74VHC157FT (EL)	
IC3010	8-759-491-46	IC TC74VHCT04AFT (EL)	
IC3011	6-706-946-01	IC CXD9850Q	
IC3012	8-759-447-77	IC TC7WH74FU (TE12R)	
IC3013	8-759-524-10	IC TC74VHC157FT (EL)	
IC3014	6-706-653-01	IC DB-ACP401 (PD8112A)	
IC3015	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC3016	6-708-494-01	IC HY57V641620ETP-HDR	
IC3017	6-705-468-01	IC BA33BC0FP-E2	
IC3201	8-759-389-26	IC 74LCX08MTCX	
IC3202	6-704-001-01	IC BR24L02F-WE2	
IC3203	8-759-596-39	IC SN74LV4052APWR	
IC3204	8-759-486-25	IC SN74CBT3384APWR	
IC3205	(Not supplied)	IC SII9031CTU	
IC3206	8-759-486-25	IC SN74CBT3384APWR	
IC3207	8-759-486-25	IC SN74CBT3384APWR	
IC3208	(Not supplied)	IC SII9030CTU-1.1	
IC3209	6-805-360-02	IC uPD70F3210HYGC-8BT-A-A70	
IC3210	8-759-832-05	IC BA18BC0FP-E2	
IC3212	6-705-338-01	IC TK11250CMCL-G	
IC3213	6-705-468-01	IC BA33BC0FP-E2	
IC3214	6-705-338-01	IC TK11250CMCL-G	
IC3401	6-700-398-01	IC uPC2918T-E1	
IC3402	8-753-246-54	IC CXD3805AR	
IC3403	6-708-494-01	IC HY57V641620ETP-HDR	
IC3404	6-702-300-01	IC TK11118CSCL-G	
IC3405	6-705-468-01	IC BA33BC0FP-E2	
IC3501	(Not supplied)	IC BA25BC0WFP-E2	
IC3502	6-706-521-01	IC CXD9837R	
IC3503	6-703-791-01	IC MSM56V16160F-8T3FM1	
IC3504	6-707-997-01	IC ADV7320KSTZ	
IC3505	6-704-261-01	IC TK11225CMCL-G	
IC3506	8-759-649-46	IC SN74AHC1G08DCKR	
IC3507	6-705-468-01	IC BA33BC0FP-E2	
		< JACK >	
J3001	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (i.LINK S2000 (AUDIO)) (1)	
J3002	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (i.LINK S2000 (AUDIO)) (2)	
		< JUMPER RESISTOR >	
JW3442	1-216-864-11	SHORT CHIP 0	
JW3443	1-216-864-11	SHORT CHIP 0	
JW3444	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L3001	1-456-799-11	COIL, COMMON MODE CHOKE	
L3002	1-456-799-11	COIL, COMMON MODE CHOKE	
L3003	1-456-799-11	COIL, COMMON MODE CHOKE	
L3004	1-456-799-11	COIL, COMMON MODE CHOKE	
L3201	1-469-525-11	INDUCTOR 10uH	
L3202	1-469-525-11	INDUCTOR 10uH	
L3203	1-469-525-11	INDUCTOR 10uH	
L3204	1-469-525-11	INDUCTOR 10uH	
L3205	1-469-525-11	INDUCTOR 10uH	
L3206	1-469-525-11	INDUCTOR 10uH	
L3207	1-469-525-11	INDUCTOR 10uH	
L3208	1-469-525-11	INDUCTOR 10uH	
L3401	1-469-525-11	INDUCTOR 10uH	
L3501	1-469-525-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q3201	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q3202	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q3203	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q3204	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)	
Q3205	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)	
Q3206	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)	
Q3207	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)	
Q3208	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)	
Q3209	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3210	8-729-216-22	TRANSISTOR 2SA1162-G	
		< RESISTOR >	
R3001	1-216-864-11	SHORT CHIP 0	
R3002	1-216-821-11	METAL CHIP 1K 5%	1/10W
R3003	1-216-864-11	SHORT CHIP 0	
R3004	1-216-864-11	SHORT CHIP 0	
R3005	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3006	1-216-857-11	METAL CHIP 1M 5%	1/10W
R3007	1-216-857-11	METAL CHIP 1M 5%	1/10W
R3008	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3009	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3010	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3011	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3012	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3013	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3014	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3015	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3016	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3017	1-208-359-81	RES-CHIP 56 0.5%	1/10W
R3018	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3019	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3020	1-216-805-11	METAL CHIP 47 5%	1/10W
R3021	1-216-805-11	METAL CHIP 47 5%	1/10W
R3022	1-216-805-11	METAL CHIP 47 5%	1/10W
R3023	1-216-805-11	METAL CHIP 47 5%	1/10W
R3024	1-216-833-11	METAL CHIP 10K 5%	1/10W

New part of flash memory (IC3001) on the ILINK board cannot be used. Therefore, if the mounted ILINK board is replaced, exchange new flash memory (IC3001) with that used before the replacement.

Ref. No.	Part No.	Description			Remark
R3025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3027	1-216-864-11	SHORT CHIP	0		
R3028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3030	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3031	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3032	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3034	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3035	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3036	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3037	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3038	1-216-864-11	SHORT CHIP	0		
R3039	1-216-864-11	SHORT CHIP	0		
R3040	1-216-864-11	SHORT CHIP	0		
R3041	1-216-864-11	SHORT CHIP	0		
R3042	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3043	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3044	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3045	1-216-809-11	METAL CHIP	100	5%	1/10W
R3046	1-216-809-11	METAL CHIP	100	5%	1/10W
R3047	1-216-809-11	METAL CHIP	100	5%	1/10W
R3048	1-216-809-11	METAL CHIP	100	5%	1/10W
R3049	1-216-809-11	METAL CHIP	100	5%	1/10W
R3050	1-216-809-11	METAL CHIP	100	5%	1/10W
R3051	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R3052	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R3053	1-216-864-11	SHORT CHIP	0		
R3054	1-216-864-11	SHORT CHIP	0		
R3055	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R3056	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R3057	1-216-809-11	METAL CHIP	100	5%	1/10W
R3058	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3060	1-216-864-11	SHORT CHIP	0		
R3061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3062	1-216-809-11	METAL CHIP	100	5%	1/10W
R3063	1-216-809-11	METAL CHIP	100	5%	1/10W
R3064	1-216-809-11	METAL CHIP	100	5%	1/10W
R3065	1-216-809-11	METAL CHIP	100	5%	1/10W
R3066	1-216-809-11	METAL CHIP	100	5%	1/10W
R3067	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3068	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3069	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3070	1-216-809-11	METAL CHIP	100	5%	1/10W
R3071	1-216-809-11	METAL CHIP	100	5%	1/10W
R3072	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3073	1-216-809-11	METAL CHIP	100	5%	1/10W
R3074	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3075	1-216-809-11	METAL CHIP	100	5%	1/10W
R3076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3077	1-216-809-11	METAL CHIP	100	5%	1/10W
R3078	1-216-864-11	SHORT CHIP	0		
R3079	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3080	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3081	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3082	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3084	1-216-864-11	SHORT CHIP	0		
R3085	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3086	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3087	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3089	1-216-864-11	SHORT CHIP	0		
R3090	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3091	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3092	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3095	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3097	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3099	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3100	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3101	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3104	1-216-864-11	SHORT CHIP	0		
R3105	1-216-809-11	METAL CHIP	100	5%	1/10W
R3106	1-216-809-11	METAL CHIP	100	5%	1/10W
R3107	1-216-809-11	METAL CHIP	100	5%	1/10W
R3108	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3109	1-216-864-11	SHORT CHIP	0		
R3110	1-216-864-11	SHORT CHIP	0		
R3111	1-216-864-11	SHORT CHIP	0		
R3112	1-216-809-11	METAL CHIP	100	5%	1/10W
R3113	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3114	1-216-809-11	METAL CHIP	100	5%	1/10W
R3115	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3116	1-216-809-11	METAL CHIP	100	5%	1/10W
R3117	1-216-809-11	METAL CHIP	100	5%	1/10W
R3118	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3119	1-216-809-11	METAL CHIP	100	5%	1/10W
R3120	1-216-805-11	METAL CHIP	47	5%	1/10W
R3121	1-216-805-11	METAL CHIP	47	5%	1/10W
R3122	1-216-864-11	SHORT CHIP	0		
R3123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3125	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3127	1-216-809-11	METAL CHIP	100	5%	1/10W
R3128	1-216-864-11	SHORT CHIP	0		
R3129	1-216-809-11	METAL CHIP	100	5%	1/10W
R3130	1-216-805-11	METAL CHIP	47	5%	1/10W
R3131	1-216-864-11	SHORT CHIP	0		
R3132	1-216-809-11	METAL CHIP	100	5%	1/10W
R3133	1-216-809-11	METAL CHIP	100	5%	1/10W
R3134	1-216-805-11	METAL CHIP	47	5%	1/10W
R3135	1-216-809-11	METAL CHIP	100	5%	1/10W
R3136	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3137	1-216-809-11	METAL CHIP	100	5%	1/10W
R3138	1-216-809-11	METAL CHIP	100	5%	1/10W
R3139	1-216-864-11	SHORT CHIP	0		
R3140	1-216-805-11	METAL CHIP	47	5%	1/10W
R3141	1-208-438-81	RES-CHIP	1.1K	0.5%	1/10W
R3142	1-216-805-11	METAL CHIP	47	5%	1/10W

ILINK

Ref. No.	Part No.	Description			Remark
R3143	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R3144	1-216-864-11	SHORT CHIP	0		
R3145	1-216-813-11	METAL CHIP	220	5%	1/10W
R3146	1-216-864-11	SHORT CHIP	0		
R3147	1-216-864-11	SHORT CHIP	0		
R3148	1-216-809-11	METAL CHIP	100	5%	1/10W
R3149	1-216-864-11	SHORT CHIP	0		
R3151	1-216-809-11	METAL CHIP	100	5%	1/10W
R3152	1-216-809-11	METAL CHIP	100	5%	1/10W
R3153	1-216-809-11	METAL CHIP	100	5%	1/10W
R3154	1-216-809-11	METAL CHIP	100	5%	1/10W
R3155	1-216-809-11	METAL CHIP	100	5%	1/10W
R3156	1-216-809-11	METAL CHIP	100	5%	1/10W
R3157	1-216-809-11	METAL CHIP	100	5%	1/10W
R3158	1-216-809-11	METAL CHIP	100	5%	1/10W
R3159	1-216-809-11	METAL CHIP	100	5%	1/10W
R3160	1-216-809-11	METAL CHIP	100	5%	1/10W
R3161	1-216-809-11	METAL CHIP	100	5%	1/10W
R3162	1-216-809-11	METAL CHIP	100	5%	1/10W
R3201	1-216-864-11	SHORT CHIP	0		
R3202	1-216-864-11	SHORT CHIP	0		
R3203	1-216-864-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0		
R3205	1-216-805-11	METAL CHIP	47	5%	1/10W
R3206	1-216-805-11	METAL CHIP	47	5%	1/10W
R3207	1-216-805-11	METAL CHIP	47	5%	1/10W
R3208	1-216-805-11	METAL CHIP	47	5%	1/10W
R3209	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3211	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3212	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3213	1-216-805-11	METAL CHIP	47	5%	1/10W
R3214	1-216-805-11	METAL CHIP	47	5%	1/10W
R3215	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3216	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3217	1-216-805-11	METAL CHIP	47	5%	1/10W
R3218	1-216-805-11	METAL CHIP	47	5%	1/10W
R3219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3220	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3221	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3222	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3223	1-216-864-11	SHORT CHIP	0		
R3224	1-216-864-11	SHORT CHIP	0		
R3225	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3226	1-216-805-11	METAL CHIP	47	5%	1/10W
R3227	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3228	1-216-809-11	METAL CHIP	100	5%	1/10W
R3229	1-216-805-11	METAL CHIP	47	5%	1/10W
R3230	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3231	1-216-805-11	METAL CHIP	47	5%	1/10W
R3232	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3233	1-216-805-11	METAL CHIP	47	5%	1/10W
R3235	1-216-809-11	METAL CHIP	100	5%	1/10W
R3236	1-216-805-11	METAL CHIP	47	5%	1/10W
R3237	1-216-864-11	SHORT CHIP	0		
R3238	1-216-809-11	METAL CHIP	100	5%	1/10W
R3239	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3240	1-216-864-11	SHORT CHIP	0		
R3241	1-216-809-11	METAL CHIP	100	5%	1/10W
R3242	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3243	1-216-864-11	SHORT CHIP	0		
R3244	1-216-809-11	METAL CHIP	100	5%	1/10W
R3245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3246	1-216-809-11	METAL CHIP	100	5%	1/10W
R3247	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3248	1-216-809-11	METAL CHIP	100	5%	1/10W
R3249	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3250	1-216-805-11	METAL CHIP	47	5%	1/10W
R3251	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3252	1-216-805-11	METAL CHIP	47	5%	1/10W
R3253	1-216-809-11	METAL CHIP	100	5%	1/10W
R3254	1-216-809-11	METAL CHIP	100	5%	1/10W
R3255	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3256	1-216-809-11	METAL CHIP	100	5%	1/10W
R3257	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3258	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3259	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3261	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3263	1-216-803-11	METAL CHIP	33	5%	1/10W
R3264	1-216-809-11	METAL CHIP	100	5%	1/10W
R3265	1-216-864-11	SHORT CHIP	0		
R3266	1-216-801-11	METAL CHIP	22	5%	1/10W
R3267	1-216-801-11	METAL CHIP	22	5%	1/10W
R3268	1-216-801-11	METAL CHIP	22	5%	1/10W
R3269	1-216-801-11	METAL CHIP	22	5%	1/10W
R3270	1-216-801-11	METAL CHIP	22	5%	1/10W
R3271	1-216-801-11	METAL CHIP	22	5%	1/10W
R3272	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3273	1-216-801-11	METAL CHIP	22	5%	1/10W
R3274	1-216-801-11	METAL CHIP	22	5%	1/10W
R3275	1-216-805-11	METAL CHIP	47	5%	1/10W
R3276	1-216-805-11	METAL CHIP	47	5%	1/10W
R3277	1-216-805-11	METAL CHIP	47	5%	1/10W
R3278	1-216-864-11	SHORT CHIP	0		
R3279	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3280	1-216-864-11	SHORT CHIP	0		
R3281	1-216-805-11	METAL CHIP	47	5%	1/10W
R3282	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3283	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3284	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3285	1-216-864-11	SHORT CHIP	0		
R3286	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3287	1-216-805-11	METAL CHIP	47	5%	1/10W
R3288	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3289	1-216-805-11	METAL CHIP	47	5%	1/10W
R3290	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3291	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3293	1-216-864-11	SHORT CHIP	0		
R3294	1-216-864-11	SHORT CHIP	0		
R3295	1-216-864-11	SHORT CHIP	0		
R3296	1-216-864-11	SHORT CHIP	0		
R3297	1-218-289-11	METAL CHIP	510	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3298	1-216-864-11	SHORT CHIP	0		
R3299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3300	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3301	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3302	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3303	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3304	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3305	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3307	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3309	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3310	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3311	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3312	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3313	1-216-805-11	METAL CHIP	47	5%	1/10W
R3314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3317	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3318	1-216-864-11	SHORT CHIP	0		
R3319	1-218-288-11	METAL CHIP	300	5%	1/10W
R3320	1-218-288-11	METAL CHIP	300	5%	1/10W
R3321	1-218-288-11	METAL CHIP	300	5%	1/10W
R3322	1-218-288-11	METAL CHIP	300	5%	1/10W
R3323	1-216-864-11	SHORT CHIP	0		
R3324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3325	1-216-805-11	METAL CHIP	47	5%	1/10W
R3326	1-216-805-11	METAL CHIP	47	5%	1/10W
R3327	1-216-805-11	METAL CHIP	47	5%	1/10W
R3328	1-216-805-11	METAL CHIP	47	5%	1/10W
R3329	1-216-805-11	METAL CHIP	47	5%	1/10W
R3332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3333	1-216-864-11	SHORT CHIP	0		
R3334	1-216-864-11	SHORT CHIP	0		
R3335	1-216-864-11	SHORT CHIP	0		
R3336	1-216-864-11	SHORT CHIP	0		
R3337	1-216-864-11	SHORT CHIP	0		
R3338	1-216-864-11	SHORT CHIP	0		
R3339	1-216-864-11	SHORT CHIP	0		
R3340	1-216-864-11	SHORT CHIP	0		
R3341	1-216-864-11	SHORT CHIP	0		
R3342	1-216-864-11	SHORT CHIP	0		
R3361	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3362	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3363	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3364	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3365	1-216-809-11	METAL CHIP	100	5%	1/10W
R3366	1-216-809-11	METAL CHIP	100	5%	1/10W
R3367	1-216-809-11	METAL CHIP	100	5%	1/10W
R3368	1-216-809-11	METAL CHIP	100	5%	1/10W
R3369	1-216-809-11	METAL CHIP	100	5%	1/10W
R3370	1-216-809-11	METAL CHIP	100	5%	1/10W
R3371	1-216-809-11	METAL CHIP	100	5%	1/10W
R3372	1-216-809-11	METAL CHIP	100	5%	1/10W
R3373	1-216-809-11	METAL CHIP	100	5%	1/10W
R3374	1-216-809-11	METAL CHIP	100	5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0		
R3402	1-216-805-11	METAL CHIP	47	5%	1/10W
R3403	1-216-805-11	METAL CHIP	47	5%	1/10W
R3404	1-216-864-11	SHORT CHIP	0		
R3405	1-216-864-11	SHORT CHIP	0		
R3406	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3407	1-216-864-11	SHORT CHIP	0		
R3408	1-216-864-11	SHORT CHIP	0		
R3409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3410	1-216-864-11	SHORT CHIP	0		
R3411	1-216-864-11	SHORT CHIP	0		
R3414	1-216-864-11	SHORT CHIP	0		
R3416	1-216-864-11	SHORT CHIP	0		
R3417	1-216-813-11	METAL CHIP	220	5%	1/10W
R3418	1-216-801-11	METAL CHIP	22	5%	1/10W
R3419	1-216-801-11	METAL CHIP	22	5%	1/10W
R3420	1-216-801-11	METAL CHIP	22	5%	1/10W
R3421	1-216-801-11	METAL CHIP	22	5%	1/10W
R3422	1-216-801-11	METAL CHIP	22	5%	1/10W
R3423	1-216-801-11	METAL CHIP	22	5%	1/10W
R3424	1-216-801-11	METAL CHIP	22	5%	1/10W
R3425	1-216-801-11	METAL CHIP	22	5%	1/10W
R3426	1-216-801-11	METAL CHIP	22	5%	1/10W
R3427	1-216-801-11	METAL CHIP	22	5%	1/10W
R3428	1-216-801-11	METAL CHIP	22	5%	1/10W
R3429	1-216-801-11	METAL CHIP	22	5%	1/10W
R3430	1-216-801-11	METAL CHIP	22	5%	1/10W
R3432	1-216-864-11	SHORT CHIP	0		
R3433	1-216-864-11	SHORT CHIP	0		
R3434	1-216-864-11	SHORT CHIP	0		
R3435	1-216-864-11	SHORT CHIP	0		
R3436	1-216-864-11	SHORT CHIP	0		
R3438	1-216-864-11	SHORT CHIP	0		
R3440	1-216-864-11	SHORT CHIP	0		
R3442	1-216-864-11	SHORT CHIP	0		
R3443	1-216-864-11	SHORT CHIP	0		
R3444	1-216-864-11	SHORT CHIP	0		
R3445	1-216-864-11	SHORT CHIP	0		
R3446	1-216-864-11	SHORT CHIP	0		
R3447	1-216-864-11	SHORT CHIP	0		
R3448	1-216-864-11	SHORT CHIP	0		
R3449	1-216-864-11	SHORT CHIP	0		
R3450	1-216-864-11	SHORT CHIP	0		
R3451	1-216-864-11	SHORT CHIP	0		
R3452	1-216-864-11	SHORT CHIP	0		
R3453	1-216-864-11	SHORT CHIP	0		
R3501	1-216-809-11	METAL CHIP	100	5%	1/10W
R3502	1-216-864-11	SHORT CHIP	0		
R3503	1-216-809-11	METAL CHIP	100	5%	1/10W
R3504	1-216-864-11	SHORT CHIP	0		
R3505	1-216-864-11	SHORT CHIP	0		
R3506	1-216-864-11	SHORT CHIP	0		
R3507	1-216-864-11	SHORT CHIP	0		
R3508	1-216-801-11	METAL CHIP	22	5%	1/10W
R3509	1-216-864-11	SHORT CHIP	0		
R3510	1-216-801-11	METAL CHIP	22	5%	1/10W
R3511	1-216-801-11	METAL CHIP	22	5%	1/10W
R3512	1-216-801-11	METAL CHIP	22	5%	1/10W
R3513	1-216-801-11	METAL CHIP	22	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3514	1-216-801-11	METAL CHIP	22	5%	1/10W
R3515	1-216-801-11	METAL CHIP	22	5%	1/10W
R3516	1-216-864-11	SHORT CHIP	0		
R3517	1-216-801-11	METAL CHIP	22	5%	1/10W
R3518	1-216-801-11	METAL CHIP	22	5%	1/10W
R3519	1-216-801-11	METAL CHIP	22	5%	1/10W
R3520	1-216-801-11	METAL CHIP	22	5%	1/10W
R3521	1-216-801-11	METAL CHIP	22	5%	1/10W
R3522	1-216-801-11	METAL CHIP	22	5%	1/10W
R3523	1-216-801-11	METAL CHIP	22	5%	1/10W
R3524	1-216-801-11	METAL CHIP	22	5%	1/10W
R3525	1-216-864-11	SHORT CHIP	0		
R3526	1-216-801-11	METAL CHIP	22	5%	1/10W
R3527	1-216-864-11	SHORT CHIP	0		
R3528	1-216-864-11	SHORT CHIP	0		
R3529	1-216-801-11	METAL CHIP	22	5%	1/10W
R3530	1-216-801-11	METAL CHIP	22	5%	1/10W
R3531	1-216-801-11	METAL CHIP	22	5%	1/10W
R3532	1-216-801-11	METAL CHIP	22	5%	1/10W
R3533	1-216-801-11	METAL CHIP	22	5%	1/10W
R3534	1-216-864-11	SHORT CHIP	0		
R3535	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R3536	1-216-864-11	SHORT CHIP	0		
R3537	1-216-864-11	SHORT CHIP	0		
R3538	1-216-864-11	SHORT CHIP	0		
R3539	1-216-864-11	SHORT CHIP	0		
R3540	1-216-864-11	SHORT CHIP	0		
R3542	1-216-864-11	SHORT CHIP	0		
R3544	1-216-864-11	SHORT CHIP	0		
R3545	1-216-864-11	SHORT CHIP	0		
R3546	1-216-864-11	SHORT CHIP	0		
R3548	1-216-864-11	SHORT CHIP	0		
R3550	1-216-819-11	METAL CHIP	680	5%	1/10W
R3551	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
R3553	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3554	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3557	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3558	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3559	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3560	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3561	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3562	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3574	1-216-864-11	SHORT CHIP	0		
R3575	1-216-864-11	SHORT CHIP	0		
R3576	1-216-864-11	SHORT CHIP	0		
R3577	1-216-864-11	SHORT CHIP	0		
R3578	1-216-864-11	SHORT CHIP	0		
R3579	1-216-864-11	SHORT CHIP	0		
R3581	1-216-864-11	SHORT CHIP	0		
R3582	1-216-864-11	SHORT CHIP	0		
R3583	1-216-864-11	SHORT CHIP	0		
R3584	1-216-864-11	SHORT CHIP	0		
R3585	1-216-801-11	METAL CHIP	22	5%	1/10W
R3586	1-216-801-11	METAL CHIP	22	5%	1/10W
R3587	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< COMPOSITION CIRCUIT BLOCK >			
RB3201	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3202	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3203	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3204	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3205	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3206	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3207	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3401	1-233-574-11	RES, CHIP NETWORK		10 (3216)	
RB3402	1-233-574-11	RES, CHIP NETWORK		10 (3216)	
RB3404	1-233-574-11	RES, CHIP NETWORK		10 (3216)	
RB3405	1-233-574-11	RES, CHIP NETWORK		10 (3216)	
RB3407	1-234-523-21	RES, CHIP NETWORK		0 (3216)	
RB3408	1-234-523-21	RES, CHIP NETWORK		0 (3216)	
RB3409	1-233-575-11	RES, CHIP NETWORK		22 (3216)	
RB3410	1-233-575-11	RES, CHIP NETWORK		22 (3216)	
RB3411	1-233-576-11	RES, CHIP NETWORK		100 (3216)	
RB3412	1-233-576-11	RES, CHIP NETWORK		100 (3216)	
RB3413	1-233-576-11	RES, CHIP NETWORK		100 (3216)	
RB3414	1-233-576-11	RES, CHIP NETWORK		100 (3216)	
RB3501	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3502	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3503	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3504	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3505	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3506	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
RB3507	1-239-409-11	RES, CHIP NETWORK		47 (3216)	
		< VARIABLE RESISTOR >			
RV3501	1-241-761-11	RES, ADJ CERMET		1K	
RV3502	1-241-761-11	RES, ADJ CERMET		1K	
		< VIBRATOR >			
X3001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X3002	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X3201	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)			
X3202	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
X3401	1-795-984-11	OSCILLATOR, CRYSTAL (27MHz)			

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Ref. No.	Part No.	Description			Remark
	1-688-724-11	JOG BOARD **********			
		< CONNECTOR >			
CN1013	1-785-820-11	CONNECTOR, BOARD TO BOARD 15P			
		< DIODE >			
D1025	8-719-988-61	DIODE 1SS355TE-17			
D1026	8-719-988-61	DIODE 1SS355TE-17			
		< RESISTOR >			
R1043	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1044	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1045	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1046	1-216-089-11	RES-CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< VARIABLE RESISTOR >			
RV1001	1-478-017-11	ENCODER, ROTARY (BASS)			
RV1002	1-478-017-11	ENCODER, ROTARY (TREBLE)			
RV1003	1-478-017-11	ENCODER, ROTARY (MAIN MENU)			
RV1004	1-478-017-11	ENCODER, ROTARY (MENU)			
RV1005	1-478-017-11	ENCODER, ROTARY (–/+)			
		< SWITCH >			
SW1001	1-762-684-11	SWITCH, ROTARY (SPEAKERS)			
**					
	1-688-729-11	KEYBOARD BOARD ****************			
		< RESISTOR >			
R1056	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1057	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1058	1-216-049-11	RES-CHIP	1K	5%	1/10W
		< SWITCH >			
S1015	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S1016	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S1017	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S1018	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
**					
		LED BOARD **********			
		< CAPACITOR >			
C1064	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1065	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
* CN1021	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< LED >			
D1014	6-501-033-01	LED SMLU1DE16W-BPTP4 (HDMI/i.LINK)			
		< RESISTOR >			
R1025	1-216-025-11	RES-CHIP	100	5%	1/10W
R1063	1-216-041-00	RES-CHIP	470	5%	1/10W
R1064	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1065	1-216-073-00	RES-CHIP	10K	5%	1/10W
**					
	A-1101-893-A	MOTHER COM BOARD, COMPLETE ******************			
	1-533-217-41	HOLDER, FUSE			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C1410	1-100-621-11	ELECT	470uF	20%	10V
C1411	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1412	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1419	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1420	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1421	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1428	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1430	1-100-621-11	ELECT	470uF	20%	10V
C1443	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2177	1-104-665-11	ELECT	100uF	20%	25V
C2179	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2197	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2198	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2199	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2201	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2202	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5197	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5198	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5199	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5200	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5201	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5202	1-112-084-11	ELECT	470uF	20%	16V
C5203	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5204	1-112-086-11	ELECT	2200uF	20%	16V
C5205	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5206	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5207	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5208	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5209	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5210	1-104-666-11	ELECT	220uF	20%	25V
C5211	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5212	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5213	1-112-085-11	ELECT	1000uF	20%	16V
C5214	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5215	1-112-084-11	ELECT	470uF	20%	16V
C5216	1-112-085-11	ELECT	1000uF	20%	16V
C5217	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5218	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5219	1-112-084-11	ELECT	470uF	20%	16V
C5220	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5221	1-112-084-11	ELECT	470uF	20%	16V
C5222	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5223	1-112-085-11	ELECT	1000uF	20%	16V
C5224	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5225	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5226	1-112-084-11	ELECT	470uF	20%	16V
C5227	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5228	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5229	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5230	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5231	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5232	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5233	1-126-941-11	ELECT	470uF	20%	25V
C5237	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5238	1-100-024-21	ELECT	330uF	20%	16V
C5239	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5241	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5242	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5243	1-112-084-11	ELECT	470uF	20%	16V
C5244	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5245	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

MOTHER COM

Ref. No.	Part No.	Description			Remark
C5246	1-112-095-11	ELECT	3300uF	20%	35V
C5247	1-112-095-11	ELECT	3300uF	20%	35V
C5248	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5249	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5250	1-112-085-11	ELECT	1000uF	20%	16V
C5251	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5252	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5253	1-112-085-11	ELECT	1000uF	20%	16V
C5254	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5255	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5256	1-126-935-11	ELECT	470uF	20%	16V
C5257	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5258	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5259	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5261	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5262	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5263	1-126-942-61	ELECT	1000uF	20%	25V
C5264	1-126-964-11	ELECT	10uF	20%	50V
C5266	1-126-768-11	ELECT	2200uF	20%	16V
C5267	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5271	1-126-947-11	ELECT	47uF	20%	35V
C5272	1-126-947-11	ELECT	47uF	20%	35V
C5273	1-126-947-11	ELECT	47uF	20%	35V
C5274	1-126-947-11	ELECT	47uF	20%	35V
C5275	1-126-947-11	ELECT	47uF	20%	35V
C5276	1-126-947-11	ELECT	47uF	20%	35V
C5277	1-126-947-11	ELECT	47uF	20%	35V
C5281	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5282	1-112-177-11	ELECT	330uF	20%	16V
C5283	1-104-662-91	ELECT	22uF	20%	25V
C5284	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5291	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5292	1-104-662-91	ELECT	22uF	20%	25V
C5293	1-112-177-11	ELECT	330uF	20%	16V
C5294	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5301	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C5302	1-100-621-11	ELECT	470uF	20%	10V
C5303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5310	1-137-150-11	FILM	0.01uF	5%	100V
C5311	1-128-552-51	ELECT	47uF	20%	63V
C5320	1-137-150-11	FILM	0.01uF	5%	100V
C5321	1-128-552-51	ELECT	47uF	20%	63V
C5331	1-112-013-12	ELECT (BLOCK)	6800uF	20%	71V
C5341	1-112-013-12	ELECT (BLOCK)	6800uF	20%	71V
C5342	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5343	1-112-441-11	ELECT	1000uF	20%	50V
C5345	1-104-665-11	ELECT	100uF	20%	25V
C5346	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5351	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5352	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C5357	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5358	1-137-150-11	FILM	0.01uF	5%	100V
C5359	1-100-598-11	MYLAR	1uF	5%	250V
C5360	1-112-112-11	ELECT	1000uF	20%	100V
C5361	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5362	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5363	1-112-084-11	ELECT	470uF	20%	16V
C5364	1-112-083-11	ELECT	100uF	20%	16V
C5365	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5366	1-112-084-11	ELECT	470uF	20%	16V
C5367	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C5368	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5370	1-112-177-11	ELECT	330uF	20%	16V
C5375	1-112-177-11	ELECT	330uF	20%	16V
C5376	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C5378	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5379	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C5397	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C5427	1-112-089-11	ELECT	47uF	20%	25V
C5434	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5435	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V

< CONNECTOR >

Ref. No.	Part No.	Description
CN1404	1-691-769-11	PLUG (MICRO CONNECTOR) 7P
* CN1412	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P
* CN1413	1-770-747-11	CONNECTOR, BOARD TO BOARD 12P
CN2004	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P
CN2006	1-569-815-11	CONNECTOR, BOARD TO BOARD 21P
CN5201	1-691-768-11	PLUG (MICRO CONNECTOR) 6P
CN5205	1-564-505-11	PLUG, CONNECTOR 2P
CN5206	1-691-765-11	PLUG (MICRO CONNECTOR) 3P
CN5207	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P
CN5208	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P
CN5215	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P
CN5216	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P
* CN5231	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P
CN5240	1-568-673-11	CONNECTOR, BOARD TO BOARD 14P
CN5251	1-691-773-11	PLUG (MICRO CONNECTOR) 11P
CN5261	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P
CN5280	1-568-673-11	CONNECTOR, BOARD TO BOARD 14P
CNS805	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P

< DIODE >

Ref. No.	Part No.	Description	
D1415	8-719-988-61	DIODE	1SS355TE-17
D1416	8-719-988-61	DIODE	1SS355TE-17
D1417	8-719-988-61	DIODE	1SS355TE-17
D5210	8-719-210-39	DIODE	EC10QS-04
D5213	8-719-210-39	DIODE	EC10QS-04
D5214	8-719-210-39	DIODE	EC10QS-04
D5215	8-719-210-39	DIODE	EC10QS-04
D5224	8-719-053-18	DIODE	1SR154-400TE-25
D5241	8-719-028-23	DIODE	D3SBA20-4101
D5242	8-719-053-18	DIODE	1SR154-400TE-25
D5243	8-719-053-18	DIODE	1SR154-400TE-25
D5261	8-719-028-23	DIODE	D3SBA20-4101
D5262	8-719-988-61	DIODE	1SS355TE-17
D5263	8-719-069-56	DIODE	UDZSTE-176.2B
D5264	8-719-069-56	DIODE	UDZSTE-176.2B
D5310	8-719-988-61	DIODE	1SS355TE-17
D5311	8-719-988-61	DIODE	1SS355TE-17
D5312	8-719-988-61	DIODE	1SS355TE-17
D5320	8-719-988-61	DIODE	1SS355TE-17
D5321	8-719-988-61	DIODE	1SS355TE-17

Ref. No.	Part No.	Description		Remark
D5322	8-719-988-61	DIODE	1SS355TE-17	
D5330	8-719-073-69	DIODE	PTZ-TE25-6.2A	
D5340	8-719-073-69	DIODE	PTZ-TE25-6.2A	
		< EARTH TERMINAL >		
* EP5203	1-537-738-21	TERMINAL, EARTH		
* EP5209	1-537-738-21	TERMINAL, EARTH		
		< FERRITE BEAD >		
FB801	1-469-152-11	FERRITE, EMI (SMD) (2012)		
FB803	1-469-152-11	FERRITE, EMI (SMD) (2012)		
FB804	1-469-152-11	FERRITE, EMI (SMD) (2012)		
FB1401	1-469-152-11	FERRITE, EMI (SMD) (2012)		
FB1402	1-469-152-11	FERRITE, EMI (SMD) (2012)		
		< IC >		
IC1403	8-759-058-62	IC	TC7S08FU (TE85R)	
IC1800	6-806-004-01	IC	MB89537APFM-G-694E1	
IC1801	8-759-008-37	IC	MC74HC4050F	
IC5201	8-759-445-59	IC	BA033T	
IC5206	8-759-245-84	IC	TA79010S	
IC5210	8-759-450-47	IC	BA05T	
IC5211	8-759-445-59	IC	BA033T	
IC5212	8-759-445-59	IC	BA033T	
IC5213	6-707-802-01	IC	BA00CC0WT (-V5)	
IC5214	8-759-496-15	IC	BA05ST-V5	
IC5215	8-759-496-15	IC	BA05ST-V5	
IC5221	8-759-394-35	IC	BA12T	
IC5223	8-759-245-86	IC	TA79012S	
IC5231	8-759-231-53	IC	TA7805S	
IC5232	8-759-231-57	IC	TA7810S	
IC5233	8-759-245-84	IC	TA79010S	
IC5234	8-759-245-79	IC	TA79005S	
IC5281	8-759-545-66	IC	NJM3414AMP (TE2)	
IC5291	8-759-545-66	IC	NJM3414AMP (TE2)	
IC5301	6-707-905-01	IC	M62343FP	
IC5333	8-759-636-55	IC	M5218AFP	
IC5345	8-759-524-50	IC	TC74VHC541FT (EL)	
IC5360	8-759-445-59	IC	BA033T	
IC5361	8-759-473-41	IC	BA10T	
		< TRANSISTOR >		
Q5211	8-729-209-15	TRANSISTOR	2SD2012	
Q5231	8-729-027-43	TRANSISTOR	DTC114EKA-T146	
Q5232	8-729-027-23	TRANSISTOR	DTA114EKA-T146	
Q5233	8-729-140-96	TRANSISTOR	2SD774-34	
Q5245	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5247	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5249	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5261	8-729-216-31	TRANSISTOR	2SA1163-G	
Q5262	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5269	8-729-027-38	TRANSISTOR	DTA144EKA-T146	
Q5270	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5271	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5272	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5273	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5274	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q5275	8-729-230-49	TRANSISTOR	2SC2712-YG	

Ref. No.	Part No.	Description			Remark
Q5276	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q5278	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q5279	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q5281	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5291	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5305	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q5306	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5311	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5312	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5314	8-729-216-31	TRANSISTOR	2SA1163-G		
Q5321	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5322	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5324	8-729-216-31	TRANSISTOR	2SA1163-G		
Q5328	8-729-216-31	TRANSISTOR	2SA1163-G		
Q5334	8-729-017-06	TRANSISTOR	2SC4793		
Q5341	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5342	8-729-017-05	TRANSISTOR	2SA1837		
Q5343	8-729-271-31	TRANSISTOR	2SC2713-G		
Q5344	8-729-232-69	FET	2SK208-GR3		
Q5360	8-729-209-15	TRANSISTOR	2SD2012		
Q5361	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R1405	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1406	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1411	1-216-809-11	METAL CHIP	100	5%	1/10W
R1412	1-216-809-11	METAL CHIP	100	5%	1/10W
R1413	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1414	1-216-809-11	METAL CHIP	100	5%	1/10W
R1417	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1419	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1420	1-216-809-11	METAL CHIP	100	5%	1/10W
R1421	1-216-809-11	METAL CHIP	100	5%	1/10W
R1422	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1426	1-216-809-11	METAL CHIP	100	5%	1/10W
R1427	1-216-809-11	METAL CHIP	100	5%	1/10W
R1431	1-216-864-11	SHORT CHIP	0		
R1432	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1433	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1434	1-216-809-11	METAL CHIP	100	5%	1/10W
R1436	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1437	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1440	1-216-809-11	METAL CHIP	100	5%	1/10W
R1441	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1442	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1443	1-216-809-11	METAL CHIP	100	5%	1/10W
R1444	1-216-809-11	METAL CHIP	100	5%	1/10W
R1447	1-216-809-11	METAL CHIP	100	5%	1/10W
R1449	1-216-809-11	METAL CHIP	100	5%	1/10W
R1455	1-216-809-11	METAL CHIP	100	5%	1/10W
R1458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1459	1-216-809-11	METAL CHIP	100	5%	1/10W
R1460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1462	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1463	1-216-809-11	METAL CHIP	100	5%	1/10W
R1467	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1468	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1469	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1473	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1474	1-216-809-11	METAL CHIP	100	5%	1/10W
R1477	1-216-809-11	METAL CHIP	100	5%	1/10W
R1479	1-216-809-11	METAL CHIP	100	5%	1/10W
R1481	1-216-809-11	METAL CHIP	100	5%	1/10W
R1482	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1689	1-216-809-11	METAL CHIP	100	5%	1/10W
R1690	1-216-809-11	METAL CHIP	100	5%	1/10W
R1691	1-216-809-11	METAL CHIP	100	5%	1/10W
R1692	1-216-809-11	METAL CHIP	100	5%	1/10W
R1693	1-216-809-11	METAL CHIP	100	5%	1/10W
R1695	1-216-809-11	METAL CHIP	100	5%	1/10W
R1696	1-216-809-11	METAL CHIP	100	5%	1/10W
R1697	1-216-809-11	METAL CHIP	100	5%	1/10W
R1698	1-216-809-11	METAL CHIP	100	5%	1/10W
R1699	1-216-809-11	METAL CHIP	100	5%	1/10W
R1700	1-216-809-11	METAL CHIP	100	5%	1/10W
R1701	1-216-809-11	METAL CHIP	100	5%	1/10W
R1702	1-216-809-11	METAL CHIP	100	5%	1/10W
R1703	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2246	1-216-805-11	METAL CHIP	47	5%	1/10W
R2247	1-216-805-11	METAL CHIP	47	5%	1/10W
R2248	1-216-805-11	METAL CHIP	47	5%	1/10W
R2252	1-216-805-11	METAL CHIP	47	5%	1/10W
R2253	1-216-805-11	METAL CHIP	47	5%	1/10W
R2254	1-216-805-11	METAL CHIP	47	5%	1/10W
R5034	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5035	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5036	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5221	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5224	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5231	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5244	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5245	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5246	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5251	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5252	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
⚠R5253	1-243-944-71	METAL	0.33	5%	2W F
R5254	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5257	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5258	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5259	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5261	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5262	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5263	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5264	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5265	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5266	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5267	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5268	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5270	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5271	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5272	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5273	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5274	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5275	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5276	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5277	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5278	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5279	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5282	1-259-317-81	CARBON	3.6K	1%	1/2W
R5283	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5284	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5285	1-216-262-00	RES-CHIP	470K	5%	1/8W
R5286	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5288	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5289	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5290	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5292	1-259-317-81	CARBON	3.6K	1%	1/2W
R5293	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5294	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5295	1-216-262-00	RES-CHIP	470K	5%	1/8W
R5296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5297	1-259-341-81	CARBON	36K	1%	1/2W
R5298	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5299	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5300	1-259-341-81	CARBON	36K	1%	1/2W
R5301	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5303	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5307	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
⚠R5310	1-212-934-00	FUSIBLE	1	5%	1/2W F
R5311	1-216-174-00	RES-CHIP	100	5%	1/8W
R5312	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5313	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5316	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠R5317	1-215-896-00	METAL OXIDE	4.7K	5%	2W F
R5318	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5319	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠R5320	1-212-934-00	FUSIBLE	1	5%	F
R5321	1-216-174-00	RES-CHIP	100	5%	1/8W
R5322	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5323	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5326	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠R5327	1-215-896-00	METAL OXIDE	4.7K	5%	2W F
R5328	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5329	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5331	1-216-174-00	RES-CHIP	100	5%	1/8W
R5332	1-249-417-11	CARBON	1K	5%	1/4W
R5333	1-216-174-00	RES-CHIP	100	5%	1/8W

Ref. No.	Part No.	Description			Remark
R5334	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5340	1-216-813-11	METAL CHIP	220	5%	1/10W
R5341	1-216-174-00	RES-CHIP	100	5%	1/8W
R5342	1-249-417-11	CARBON	1K	5%	1/4W
R5343	1-216-174-00	RES-CHIP	100	5%	1/8W
R5344	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5345	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5346	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5347	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5348	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5349	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5350	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5351	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5354	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5355	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5356	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5357	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5359	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5360	1-249-818-11	CARBON	4.7K	1%	1/2W
R5361	1-216-158-00	RES-CHIP	22	5%	1/8W
R5362	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5365	1-216-158-00	RES-CHIP	22	5%	1/8W
R5366	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5367	1-216-817-11	METAL CHIP	470	5%	1/10W
R5368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5375	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5377	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5384	1-216-813-11	METAL CHIP	220	5%	1/10W
R5392	1-216-238-00	RES-CHIP	47K	2%	1/8W
R5408	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5409	1-216-797-11	METAL CHIP	10	5%	1/10W

< VIBRATOR >

Ref. No.	Part No.	Description
X1401	1-767-661-11	VIBRATOR, CERAMIC (12.5MHz)

****

POWER SW BOARD
****

< CONNECTOR >

Ref. No.	Part No.	Description
* CN1010	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN1022	1-506-481-11	PIN, CONNECTOR 2P

****

1-860-316-11 POWER SW SUB BOARD
****

< SWITCH >

Ref. No.	Part No.	Description
S1013	1-771-349-21	SWITCH, KEYBOARD (I/⏻)

****

A-1099-310-A SP-TERM COM BOARD, COMPLETE
****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C5000	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5001	1-126-947-11	ELECT	47uF	20%	35V
C5002	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5003	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5004	1-126-933-11	ELECT	100uF	20%	16V
C5007	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5008	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5011	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5012	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5015	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5016	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5017	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5020	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5021	1-126-947-11	ELECT	47uF	20%	35V
C5022	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5023	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5024	1-126-933-11	ELECT	100uF	20%	16V
C5027	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5028	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5031	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5032	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5035	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5036	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5037	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5040	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5041	1-126-947-11	ELECT	47uF	20%	35V
C5042	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5043	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5044	1-126-933-11	ELECT	100uF	20%	16V
C5047	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5048	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5051	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5052	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5057	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5060	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5061	1-126-947-11	ELECT	47uF	20%	35V
C5062	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5063	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5064	1-126-933-11	ELECT	100uF	20%	16V
C5067	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5068	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5071	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5072	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5077	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5080	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5081	1-126-947-11	ELECT	47uF	20%	35V
C5082	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5083	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5084	1-126-933-11	ELECT	100uF	20%	16V
C5087	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5088	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5091	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5092	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5097	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V

SP-TERM COM

Ref. No.	Part No.	Description			Remark
C5100	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5101	1-126-947-11	ELECT	47uF	20%	35V
C5102	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5103	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5104	1-126-933-11	ELECT	100uF	20%	16V
C5107	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5108	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5111	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5112	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5115	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5116	1-126-963-11	ELECT	4.7uF	20%	50V
C5117	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5120	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5121	1-126-947-11	ELECT	47uF	20%	35V
C5122	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5123	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5124	1-126-933-11	ELECT	100uF	20%	16V
C5127	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5128	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5131	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5132	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5133	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5140	1-126-933-11	ELECT	100uF	20%	16V
C5141	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5142	1-126-933-11	ELECT	100uF	20%	16V
C5143	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5144	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5145	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5146	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5147	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5148	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5149	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5150	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5151	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5152	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5153	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5154	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5155	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5156	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5157	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5158	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5159	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5160	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5161	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5162	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5163	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5164	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN5241	1-766-863-11	CONNECTOR, BOARD TO BOARD 14P			
CN5281	1-766-863-11	CONNECTOR, BOARD TO BOARD 14P			
		< DIODE >			
D5000	8-719-083-57	DIODE	UDZSTE-173.6B		
D5001	8-719-988-61	DIODE	1SS355TE-17		
D5003	8-719-988-61	DIODE	1SS355TE-17		
D5004	6-500-619-01	DIODE	RB520S-40TE61		

Ref. No.	Part No.	Description		Remark
D5017	8-719-988-61	DIODE	1SS355TE-17	
D5020	8-719-083-57	DIODE	UDZSTE-173.6B	
D5021	8-719-988-61	DIODE	1SS355TE-17	
D5023	8-719-988-61	DIODE	1SS355TE-17	
D5024	6-500-619-01	DIODE	RB520S-40TE61	
D5037	8-719-988-61	DIODE	1SS355TE-17	
D5040	8-719-083-57	DIODE	UDZSTE-173.6B	
D5041	8-719-988-61	DIODE	1SS355TE-17	
D5043	8-719-988-61	DIODE	1SS355TE-17	
D5044	6-500-619-01	DIODE	RB520S-40TE61	
D5057	8-719-988-61	DIODE	1SS355TE-17	
D5060	8-719-083-57	DIODE	UDZSTE-173.6B	
D5061	8-719-988-61	DIODE	1SS355TE-17	
D5063	8-719-988-61	DIODE	1SS355TE-17	
D5064	6-500-619-01	DIODE	RB520S-40TE61	
D5077	8-719-988-61	DIODE	1SS355TE-17	
D5080	8-719-083-57	DIODE	UDZSTE-173.6B	
D5081	8-719-988-61	DIODE	1SS355TE-17	
D5083	8-719-988-61	DIODE	1SS355TE-17	
D5084	6-500-619-01	DIODE	RB520S-40TE61	
D5097	8-719-988-61	DIODE	1SS355TE-17	
D5100	8-719-083-57	DIODE	UDZSTE-173.6B	
D5101	8-719-988-61	DIODE	1SS355TE-17	
D5103	8-719-988-61	DIODE	1SS355TE-17	
D5104	6-500-619-01	DIODE	RB520S-40TE61	
D5120	8-719-083-57	DIODE	UDZSTE-173.6B	
D5121	8-719-988-61	DIODE	1SS355TE-17	
D5123	8-719-988-61	DIODE	1SS355TE-17	
D5124	6-500-619-01	DIODE	RB520S-40TE61	
		< IC >		
IC5001	8-759-710-97	IC	NJM4565M-D	
IC5021	8-759-710-97	IC	NJM4565M-D	
IC5041	8-759-710-97	IC	NJM4565M-D	
IC5061	8-759-710-97	IC	NJM4565M-D	
IC5081	8-759-710-97	IC	NJM4565M-D	
IC5101	8-759-710-97	IC	NJM4565M-D	
IC5108	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5109	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5110	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5111	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5112	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5113	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5114	8-759-257-96	IC	TC7S14FU (TE85R)	
IC5115	6-701-976-01	IC	TC74HC4078AF (EL)	
IC5116	8-759-186-14	IC	TC74VHC393F (EL)	
IC5117	8-759-524-49	IC	TC74VHC540FT (EL)	
IC5121	8-759-710-97	IC	NJM4565M-D	
		< COIL >		
L5018	1-456-594-11	INDUCTOR	33uH	
L5038	1-456-594-11	INDUCTOR	33uH	
L5058	1-456-594-11	INDUCTOR	33uH	
L5078	1-456-594-11	INDUCTOR	33uH	
L5098	1-456-594-11	INDUCTOR	33uH	
L5118	1-456-594-11	INDUCTOR	33uH	
L5138	1-456-594-11	INDUCTOR	33uH	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q5000	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5001	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5020	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5021	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5040	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5041	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5060	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5061	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5080	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5081	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5100	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5101	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5120	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5121	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R5000	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5001	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5002	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5003	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5004	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5005	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5007	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5008	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5011	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5013	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5017	1-249-393-11	CARBON	10	5%	1/4W F
R5020	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5021	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5022	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5023	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5024	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5025	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5027	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5028	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5029	1-216-864-11	SHORT CHIP	0		
R5030	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5031	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5033	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5037	1-249-393-11	CARBON	10	5%	1/4W F
R5040	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5041	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5042	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5043	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5044	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5045	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5047	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5049	1-216-864-11	SHORT CHIP	0		
R5050	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5051	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5053	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5057	1-249-393-11	CARBON	10	5%	1/4W F
R5060	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5061	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5062	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5063	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5064	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5065	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5067	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5068	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5069	1-216-864-11	SHORT CHIP	0		
R5070	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5071	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5073	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5077	1-249-393-11	CARBON	10	5%	1/4W F
R5080	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5081	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5082	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5083	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5084	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5085	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5087	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5088	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5089	1-216-864-11	SHORT CHIP	0		
R5090	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5091	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5093	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5097	1-249-393-11	CARBON	10	5%	1/4W F
R5100	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5101	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5102	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5103	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5104	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5105	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5107	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5108	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5109	1-216-864-11	SHORT CHIP	0		
R5110	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5111	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5113	1-216-797-11	METAL CHIP	10	5%	1/10W
R5120	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5121	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5122	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5123	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5124	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5125	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5127	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5128	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5129	1-216-864-11	SHORT CHIP	0		
R5130	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5131	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5133	1-216-797-11	METAL CHIP	10	5%	1/10W
		< RELAY >			
RY5017	1-755-500-11	RELAY			
RY5037	1-755-500-11	RELAY			
RY5057	1-755-500-11	RELAY			
RY5077	1-755-500-11	RELAY			
RY5097	1-755-500-11	RELAY			

Ref. No.	Part No.	Description	Remark
		< TRANSFORMER >	
T5000	1-443-435-11	TRANSFORMER, CURRENT	
T5020	1-443-435-11	TRANSFORMER, CURRENT	
T5040	1-443-435-11	TRANSFORMER, CURRENT	
T5060	1-443-435-11	TRANSFORMER, CURRENT	
T5080	1-443-435-11	TRANSFORMER, CURRENT	
T5100	1-443-435-11	TRANSFORMER, CURRENT	
T5120	1-443-435-11	TRANSFORMER, CURRENT	
		< TERMINAL >	
TM5000	1-780-177-11	TERMINAL BOARD (SP) (8P) (FRONT SPEAKERS A/B)	
TM5040	1-780-178-11	TERMINAL BOARD (SP) (2P) (CENTER SPEAKER)	
TM5060	1-780-177-11	TERMINAL BOARD (SP) (8P) (SURROUND SPEAKERS, SURROUND BACK SPEAKERS/2ND ZONE)	

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Ref. No.	Part No.	Description	Remark
	A-1126-557-A	S-VIDEO BOARD, COMPLETE **************	
		< CAPACITOR >	
C72	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C701	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C711	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C712	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C713	1-126-964-11	ELECT 10uF 20% 50V	
C714	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C715	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C716	1-126-964-11	ELECT 10uF 20% 50V	
C722	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C723	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C724	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C725	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C726	1-126-964-11	ELECT 10uF 20% 50V	
C731	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C732	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C733	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C734	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C735	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C736	1-126-964-11	ELECT 10uF 20% 50V	
C737	1-126-947-11	ELECT 47uF 20% 35V	
C738	1-126-947-11	ELECT 47uF 20% 35V	
C739	1-126-947-11	ELECT 47uF 20% 35V	
C740	1-126-947-11	ELECT 47uF 20% 35V	
C741	1-126-964-11	ELECT 10uF 20% 50V	
C742	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C743	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C744	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
C745	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
C746	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C747	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
C748	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
		< CONNECTOR >	
CNP742	1-779-977-11	PIN, CONNECTOR 6P	
CNP743	1-784-922-11	PIN, CONNECTOR 5P	
CNS741	1-784-776-11	CONNECTOR, FFC 15P	

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D741	8-719-988-61	DIODE 1SS355TE-17	
D742	8-719-988-61	DIODE 1SS355TE-17	
		< FERRITE BEAD >	
FB741	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB742	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB743	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB744	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC701	6-704-199-01	IC NJM2595M-TE2	
IC702	6-700-050-01	IC NJM2596M (TE2)	
		< JACK >	
J701	1-779-800-11	TERMINAL, S (MONITOR OUT S2 VIDEO)	
J702	1-779-801-11	CONNECTOR (ROUND TYPE) (TV/SAT/DVD S2 VIDEO IN)	
J703	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO 2 S2 VIDEO IN/OUT)	
J704	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO 1 S2 VIDEO IN/OUT)	
		< RESISTOR >	
R701	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R703	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R704	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R705	1-216-864-11	SHORT CHIP 0	
R711	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R712	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R713	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R714	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R715	1-216-864-11	SHORT CHIP 0	
R721	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R723	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R724	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R725	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R726	1-216-864-11	SHORT CHIP 0	
R731	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R733	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R734	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R735	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R736	1-216-864-11	SHORT CHIP 0	
R737	1-216-864-11	SHORT CHIP 0	
R743	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R744	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R745	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R746	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R747	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R748	1-216-864-11	SHORT CHIP 0	
R749	1-216-864-11	SHORT CHIP 0	
R753	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R754	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R755	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R763	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R764	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R765	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R766	1-218-831-11	METAL CHIP 220 0.5% 1/10W	

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S701	1-786-028-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)			

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Ref. No.	Part No.	Description			Remark
	A-1129-323-A	V3-GND BOARD, COMPLETE *************			
		< EARTH TERMINAL >			
* EP3001	1-694-592-21	TERMINAL			
* EP3002	1-694-592-21	TERMINAL			
* EP3003	1-694-592-21	TERMINAL			

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Ref. No.	Part No.	Description			Remark
	A-1108-890-A	VIDEO BOARD, COMPLETE ************			
		< CAPACITOR >			
C3201	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-126-933-11	ELECT	100uF	20%	16V
C3208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3209	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3301	1-126-960-11	ELECT	1uF	20%	50V
C3302	1-126-960-11	ELECT	1uF	20%	50V
C3303	1-126-960-11	ELECT	1uF	20%	50V
C3304	1-126-960-11	ELECT	1uF	20%	50V
C3305	1-126-960-11	ELECT	1uF	20%	50V
C3306	1-126-960-11	ELECT	1uF	20%	50V
C3332	1-126-947-11	ELECT	47uF	20%	35V
C3333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3334	1-126-947-11	ELECT	47uF	20%	35V
C3335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3336	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3401	1-126-964-11	ELECT	10uF	20%	50V
C3402	1-126-964-11	ELECT	10uF	20%	50V
C3403	1-126-964-11	ELECT	10uF	20%	50V
C3404	1-126-964-11	ELECT	10uF	20%	50V
C3405	1-126-964-11	ELECT	10uF	20%	50V
C3406	1-126-964-11	ELECT	10uF	20%	50V
C3407	1-126-964-11	ELECT	10uF	20%	50V
C3408	1-126-964-11	ELECT	10uF	20%	50V
C3409	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3421	1-126-947-11	ELECT	47uF	20%	35V
C3422	1-126-947-11	ELECT	47uF	20%	35V
C3423	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3425	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3426	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3427	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3428	1-126-964-11	ELECT	10uF	20%	50V
C3431	1-126-947-11	ELECT	47uF	20%	35V
C3432	1-126-947-11	ELECT	47uF	20%	35V
C3433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3436	1-126-964-11	ELECT	10uF	20%	50V
C3437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3440	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3501	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3502	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-126-947-11	ELECT	47uF	20%	35V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-126-947-11	ELECT	47uF	20%	35V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3517	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C3519	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3521	1-126-964-11	ELECT	10uF	20%	50V
C3523	1-126-964-11	ELECT	10uF	20%	50V
C3601	1-126-947-11	ELECT	47uF	20%	35V
C3602	1-126-947-11	ELECT	47uF	20%	35V
C3604	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3611	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3612	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3613	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3614	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3621	1-126-964-11	ELECT	10uF	20%	50V
C3622	1-126-964-11	ELECT	10uF	20%	50V
C3623	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3626	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3631	1-126-947-11	ELECT	47uF	20%	35V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-126-964-11	ELECT	10uF	20%	50V
C3635	1-126-964-11	ELECT	10uF	20%	50V
C3636	1-126-964-11	ELECT	10uF	20%	50V
C3637	1-126-964-11	ELECT	10uF	20%	50V
C3638	1-126-964-11	ELECT	10uF	20%	50V
C3639	1-126-964-11	ELECT	10uF	20%	50V
C3640	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3701	1-126-947-11	ELECT	47uF	20%	35V
C3702	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

VIDEO

Ref. No.	Part No.	Description			Remark
C3703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-126-947-11	ELECT	47uF	20%	35V
C3705	1-126-947-11	ELECT	47uF	20%	35V
C3706	1-126-947-11	ELECT	47uF	20%	35V
C3707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3801	1-126-933-11	ELECT	100uF	20%	16V
C3803	1-126-933-11	ELECT	100uF	20%	16V
C3808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3813	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3814	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3816	1-126-947-11	ELECT	47uF	20%	35V
C3817	1-126-947-11	ELECT	47uF	20%	35V
C3818	1-126-947-11	ELECT	47uF	20%	35V
C3819	1-126-947-11	ELECT	47uF	20%	35V
C3820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3821	1-126-947-11	ELECT	47uF	20%	35V
C5884	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN3801	1-794-003-11	CONNECTOR 15P			
CN3802	1-568-826-11	CONNECTOR, FFC 7P			
CN3803	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN3804	1-784-776-11	CONNECTOR, FFC 15P			
CN3805	1-784-922-11	PIN, CONNECTOR 5P			
CN3806	1-794-002-11	CONNECTOR 13P			
CN3807	1-784-923-11	PIN, CONNECTOR 7P			
CN3808	1-779-977-11	PIN, CONNECTOR 6P			
CN3809	1-779-977-11	PIN, CONNECTOR 6P			
		< TRIMMER >			
CT3503	1-141-442-91	CAP, CERAMIC TRIMMER			
CT3504	1-141-442-91	CAP, CERAMIC TRIMMER			
		< DIODE >			
D3301	8-719-988-61	DIODE	1SS355TE-17		
D3421	8-719-988-61	DIODE	1SS355TE-17		
D3422	8-719-988-61	DIODE	1SS355TE-17		
		< FERRITE BEAD >			
FB3201	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3203	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3501	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3502	1-414-813-11	FERRITE, EMI (SMD) (2012)			
FB3601	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3602	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC3201	6-705-514-01	IC	MAX3222IPWR		
IC3331	6-706-767-01	IC	NJM2586AM		
IC3421	6-704-199-01	IC	NJM2595M-TE2		
IC3431	6-704-199-01	IC	NJM2595M-TE2		
IC3501	6-700-367-01	IC	MB90089PF-G-238-BND		
IC3502	8-759-032-01	IC	MC74HC00AF		
IC3503	8-759-242-70	IC	TC7WU04F		
IC3601	6-706-723-01	IC	BH7623KS2		
IC3602	8-759-671-94	IC	MC74HC4053AFEL		
IC3604	8-759-682-76	IC	BA7622F-E2-A		
IC3605	8-759-671-94	IC	MC74HC4053AFEL		
IC3701	8-759-663-94	IC	LA7106M-TLM		
IC3702	8-759-663-94	IC	LA7106M-TLM		
IC3811	8-759-238-47	IC	TC74HCT7007AF (EL)		
IC3812	8-759-268-29	IC	SN74HC595ANS		
IC3813	8-759-268-29	IC	SN74HC595ANS		
IC3814	8-759-671-94	IC	MC74HC4053AFEL		
		< JACK >			
J3201	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)			
J3202	1-563-330-11	JACK (CTRL A1II)			
J3301	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)			
J3302	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE TV/SAT IN)			
J3303	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE DVD IN)			
J3401	1-770-337-21	JACK, PIN 3P (MONITOR OUT VIDEO, TV/SAT/DVD VIDEO IN)			
J3402	1-770-337-21	JACK, PIN 3P (VIDEO 1 VIDEO IN/OUT, VIDEO 2 VIDEO OUT)			
J3403	1-794-435-11	JACK, PIN 2P (VIDEO 2 VIDEO IN, 2ND ZONE VIDEO OUT)			
		< JUMPER RESISTOR >			
JW3802	1-216-864-11	SHORT CHIP	0		
JW3803	1-216-864-11	SHORT CHIP	0		
JW3804	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L3331	1-469-525-11	INDUCTOR	10uH		
L3332	1-469-525-11	INDUCTOR	10uH		
L3421	1-410-482-31	INDUCTOR	100uH		
L3422	1-410-482-31	INDUCTOR	100uH		
L3431	1-410-482-31	INDUCTOR	100uH		
L3432	1-410-482-31	INDUCTOR	100uH		
L3501	1-408-781-00	INDUCTOR	22uH		
L3601	1-469-525-11	INDUCTOR	10uH		
L3701	1-469-525-11	INDUCTOR	10uH		
L3702	1-469-525-11	INDUCTOR	10uH		
L3703	1-469-525-11	INDUCTOR	10uH		
L3704	1-469-525-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q3301	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q3531	8-729-140-97	TRANSISTOR	2SB734-34		
Q3532	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R3201	1-216-809-11	METAL CHIP	100	5%	1/10W
R3202	1-216-809-11	METAL CHIP	100	5%	1/10W
R3301	1-211-990-11	METAL CHIP	75	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R3302	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3303	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3304	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3305	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3306	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3307	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3308	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3309	1-211-990-11	METAL CHIP	75	0.5%	1/10W
⚠R3311	1-249-393-11	CARBON	10	5%	1/4W F
R3312	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3313	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-864-11	SHORT CHIP	0		
R3317	1-216-864-11	SHORT CHIP	0		
R3318	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3319	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3320	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3321	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3322	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3323	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0		
R3402	1-216-864-11	SHORT CHIP	0		
R3403	1-216-864-11	SHORT CHIP	0		
R3404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3405	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3406	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3407	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3408	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3409	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3410	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3411	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3412	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3421	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3422	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3423	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3424	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3425	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3501	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3503	1-216-809-11	METAL CHIP	100	5%	1/10W
R3504	1-216-809-11	METAL CHIP	100	5%	1/10W
R3505	1-216-814-11	METAL CHIP	270	5%	1/10W
R3506	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3508	1-216-814-11	METAL CHIP	270	5%	1/10W
R3509	1-216-809-11	METAL CHIP	100	5%	1/10W
R3521	1-216-864-11	SHORT CHIP	0		
R3522	1-216-864-11	SHORT CHIP	0		
R3523	1-216-864-11	SHORT CHIP	0		
R3524	1-216-817-11	METAL CHIP	470	5%	1/10W
R3525	1-216-817-11	METAL CHIP	470	5%	1/10W
R3526	1-216-817-11	METAL CHIP	470	5%	1/10W
R3531	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3621	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3623	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3624	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3627	1-216-864-11	SHORT CHIP	0		
R3629	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3633	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3635	1-216-864-11	SHORT CHIP	0		
R3636	1-216-864-11	SHORT CHIP	0		
R3637	1-216-864-11	SHORT CHIP	0		
R3639	1-216-864-11	SHORT CHIP	0		
R3640	1-216-864-11	SHORT CHIP	0		
R3641	1-216-864-11	SHORT CHIP	0		
R3801	1-216-809-11	METAL CHIP	100	5%	1/10W
R3802	1-216-809-11	METAL CHIP	100	5%	1/10W
R3803	1-216-809-11	METAL CHIP	100	5%	1/10W
R3804	1-216-809-11	METAL CHIP	100	5%	1/10W
R3805	1-216-809-11	METAL CHIP	100	5%	1/10W
R3806	1-216-809-11	METAL CHIP	100	5%	1/10W
R3807	1-216-809-11	METAL CHIP	100	5%	1/10W
R3808	1-216-809-11	METAL CHIP	100	5%	1/10W
R3809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3811	1-216-864-11	SHORT CHIP	0		
R3812	1-216-864-11	SHORT CHIP	0		
R3813	1-216-864-11	SHORT CHIP	0		
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-216-864-11	SHORT CHIP	0		
R3816	1-216-864-11	SHORT CHIP	0		
R3817	1-216-864-11	SHORT CHIP	0		
R3818	1-216-864-11	SHORT CHIP	0		
R3819	1-216-864-11	SHORT CHIP	0		
R3820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3821	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3822	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3823	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3824	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3832	1-216-864-11	SHORT CHIP	0		
R3833	1-216-864-11	SHORT CHIP	0		
		< RELAY >			
RY3301	1-755-184-11	RELAY			
RY3302	1-755-184-11	RELAY			
		< CONNECTOR >			
TP3501	1-784-921-11	PIN, CONNECTOR 4P			
		< VIBRATOR >			
X3502	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)			
X3503	1-781-820-21	VIBRATOR, CRYSTAL (17.734MHz)			

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VIDEO3 BOARD
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< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1028	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1029	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1030	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1031	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1032	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V

Ref. No.	Part No.	Description	Remark
C1035	1-216-295-00	SHORT CHIP 0	
C1036	1-216-295-00	SHORT CHIP 0	
C1037	1-216-295-00	SHORT CHIP 0	
		< CONNECTOR >	
* CN1019	1-564-729-11	PIN, CONNECTOR (SMALL TYPE) 13P	
		< EARTH TERMINAL >	
* EB1002	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC1006	6-600-219-01	IC GP1FM313RZ0F (VIDEO 3 INPUT DIGITAL OPTICAL)	
		< JACK >	
J1002	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 INPUT AUDIO/VIDEO)	
J1003	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT S2 VIDEO)	
		< RESISTOR >	
R1047	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1048	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R1049	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R1050	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R1051	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R1052	1-211-990-11	METAL CHIP 75 0.5% 1/10W	

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Ref. No.	Part No.	Description	Remark
	1-688-727-11	VOL BOARD **********	
		< CONNECTOR >	
* CN1004	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< VARIABLE RESISTOR >	
RV1007	1-477-382-11	ENCODER, ROTARY (MASTER VOLUME)	

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MISCELLANEOUS
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Ref. No.	Part No.	Description	Remark
6	1-400-061-11	CLAMP, FERRITE (CLAMP FILTER)	
8	1-469-969-11	CLAMP, FERRITE	
159	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
160	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
161	1-769-944-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP)	
161	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP)	
162	1-693-577-31	TUNER (US, CND)	
162	1-693-578-41	TUNER (AEP)	
162	1-693-641-11	TUNER (TW, KR, CH)	
166	1-819-867-11	INLET, AC 2P	
204	1-500-037-11	CORE, FERRITE (WITH CASE)	
214	1-400-061-11	CLAMP, FERRITE (CLAMP FILTER)	
252	1-469-969-11	CLAMP, FERRITE	
253	1-400-061-11	CORE, FERRITE (CLAMP FILTER)	
⚠F1	1-532-506-33	FUSE (T6.3AL/250V) (AEP, KR)	
⚠F1	1-576-332-33	FUSE, CYLINDRICAL (TIME LUG) (T10AL/250V) (US, CND, TW)	
⚠F2	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠F40	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F42	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F50	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F51	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F60	1-532-506-33	FUSE (T6.3AL/250V)	
⚠F841	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F842	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F861	1-532-465-33	FUSE (3.15A/250V)	
M5001	1-787-291-11	FAN, D.C	
Q5313	6-702-390-01	IC MN2488-OPY-MK	
Q5323	6-702-390-01	IC MN2488-OPY-MK	
Q5330	6-550-629-01	TRANSISTOR 2SK1382	
Q5340	6-550-629-01	TRANSISTOR 2SK1382	
⚠T1	1-443-658-11	TRANSFORMER, POWER (US, CND)	
⚠T1	1-443-659-11	TRANSFORMER, POWER (AEP, KR, CH)	
⚠T1	1-443-660-11	TRANSFORMER, POWER (TW)	
THP4401	1-817-728-11	SENSOR, THERMISTOR	

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ACCESSORIES
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Ref. No.	Part No.	Description	Remark
	1-479-320-11	COMMANDER, STANDARD (RM-US106A)	
	1-479-433-11	COMMANDER, STANDARD (RM-AEE003)	
	1-501-594-14	ANTENNA (FM) (EXCEPT US, CND)	
⚠	1-551-631-22	CORD, POWER (AEP)	
	1-754-149-11	LOOP ANT (AM)	
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM) (US, CND)	
⚠	1-823-512-12	CORD, POWER (US, CND)	
⚠	1-828-063-11	CORD, POWER (KR)	
⚠	1-828-109-12	CORD, POWER (TW)	
⚠	1-831-473-11	CORD, POWER (CH)	
	2-320-745-14	MANUAL, INSTRUCTION (ENGLISH) (EXCEPT KR)	
	2-320-745-23	MANUAL, INSTRUCTION (FRENCH) (US, CND, AEP)	
	2-320-745-33	MANUAL, INSTRUCTION (GERMAN, DUTCH, ITALIAN) (AEP)	
	2-320-745-43	MANUAL, INSTRUCTION (SPANISH, SWEDISH, POLISH) (AEP)	
	2-320-745-52	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (TW)	
	2-320-745-62	MANUAL, INSTRUCTION (KOREAN) (KR)	
	2-320-745-72	MANUAL, INSTRUCTION (SIMPLIFIED CHINESE) (CH)	
	2-596-577-12	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	2-596-577-22	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)	
	2-596-577-32	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	
	2-596-577-41	MANUAL, INSTRUCTION (GREEK) (AEP)	
	2-596-577-51	MANUAL, INSTRUCTION (HUNGRIAN, CZECH) (AEP)	
	2-596-577-61	MANUAL, INSTRUCTION (TURKISH) (AEP)	
	2-596-577-71	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	
	4-228-696-01	COVER, BATTERY (for RM-US106A)	

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

STR-DA7100ES

SONY®

SERVICE MANUAL

Ver. 1.2 2005.11

US Model
Canadian Model
AEP Model
Taiwan Model
Korean Model
Chinese Model

SUPPLEMENT-1

Subject: Change of D-AMP and VIDEO boards (suffix-22)

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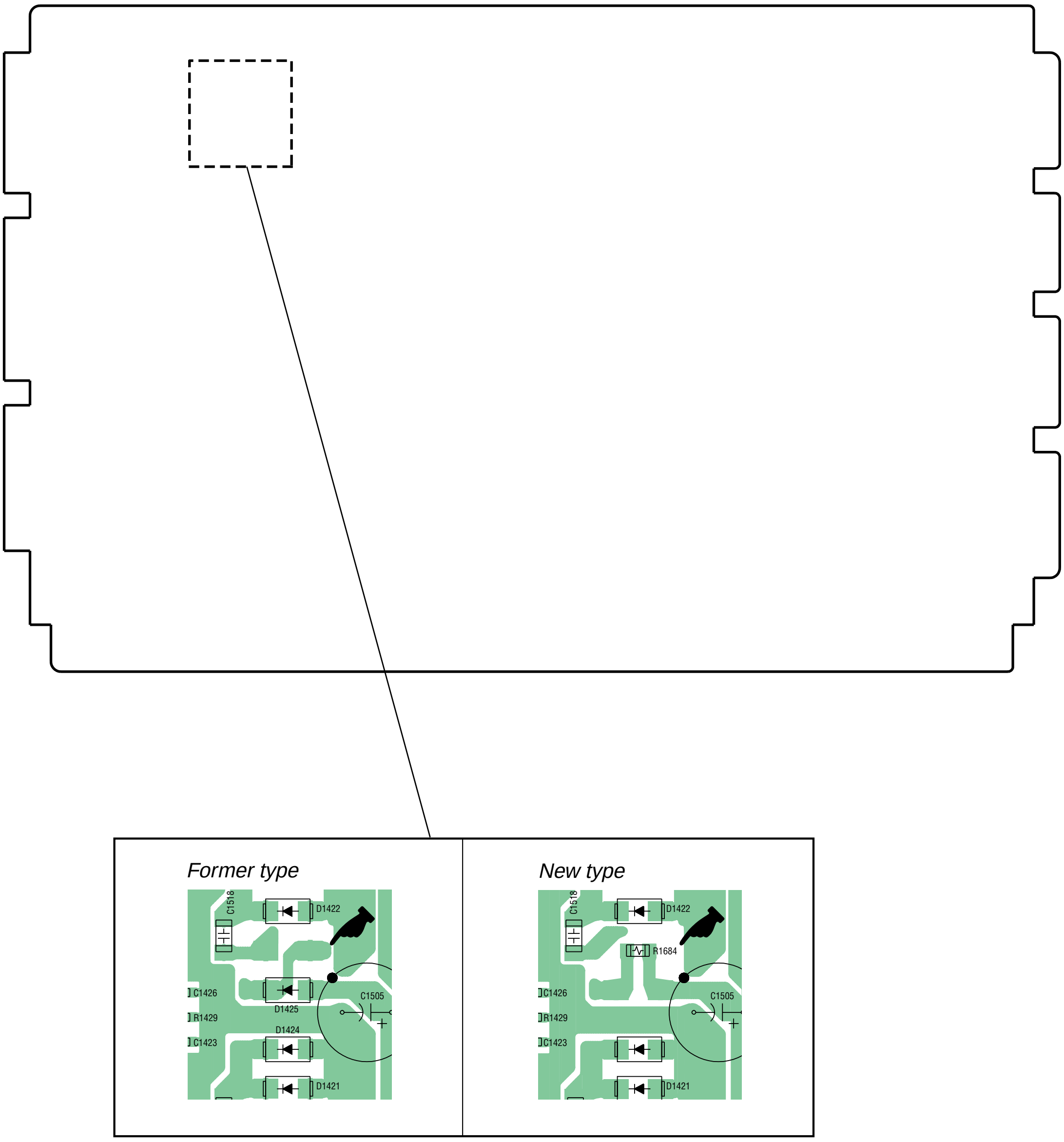
3. ELECTRICAL PARTS LIST 15

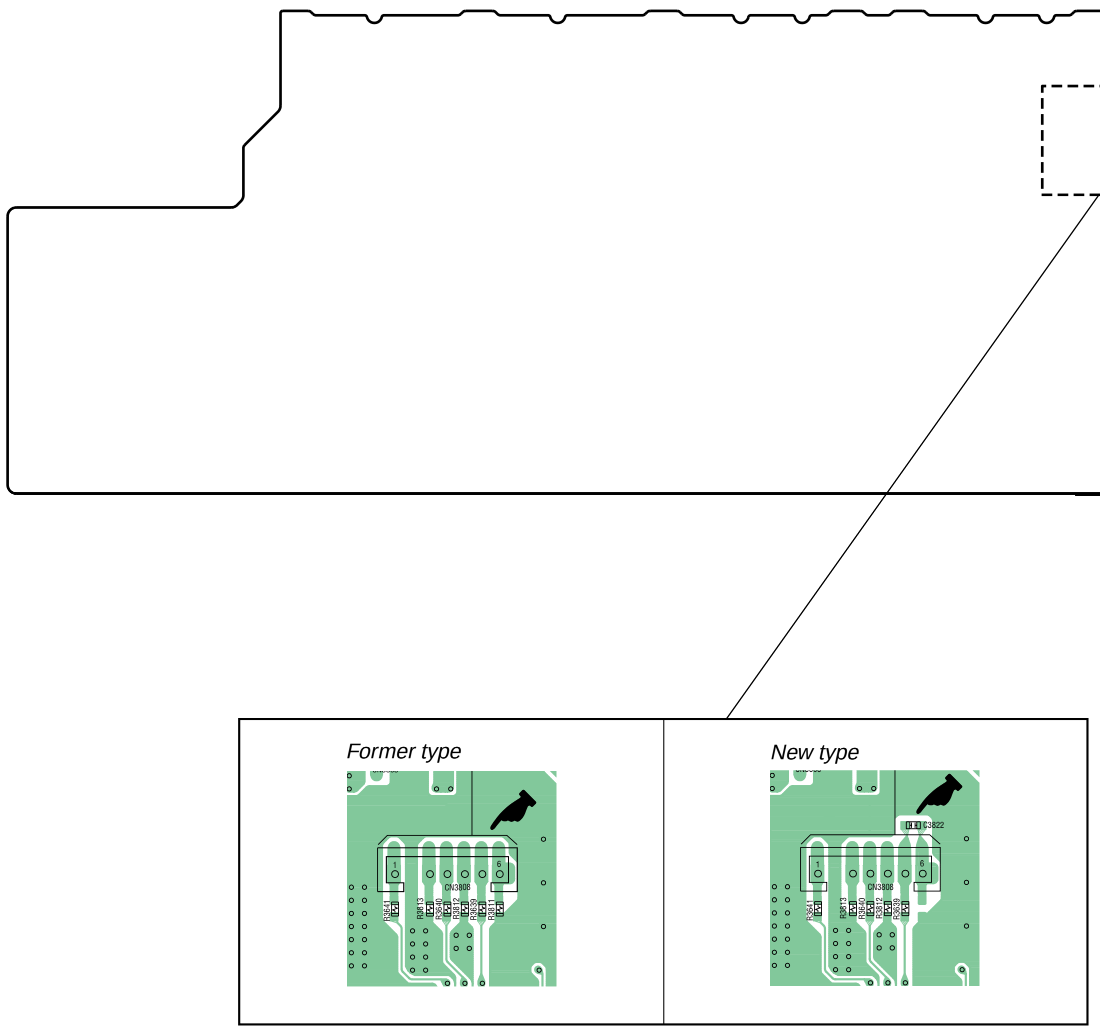
1. NEW/FORMER TYPE DESCRIPTION

New/former type of the D-AMP and VIDEO boards are discriminated by difference of the pattern.

– D-AMP BOARD (Conductor Side) –


Former type
C1518
D1422
C1426
R1429
C1423
D1425
D1424
C1505
D1421
New type
C1518
D1422
R1684
C1426
R1429
C1423
C1505
D1421

– VIDEO BOARD (Conductor Side) –



2. DIAGRAMS

• Note for Printed Wiring Boards and Schematic Diagrams

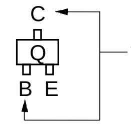
Note on Printed Wiring Board:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- 🟩 : Pattern from the side which enables seeing.

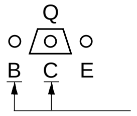
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor



These are omitted.



These are omitted.

- D-AMP board is multi-layer printed board.
  However, the patterns of intermediate layers have not been included in this diagrams.

Note on Schematic Diagram:

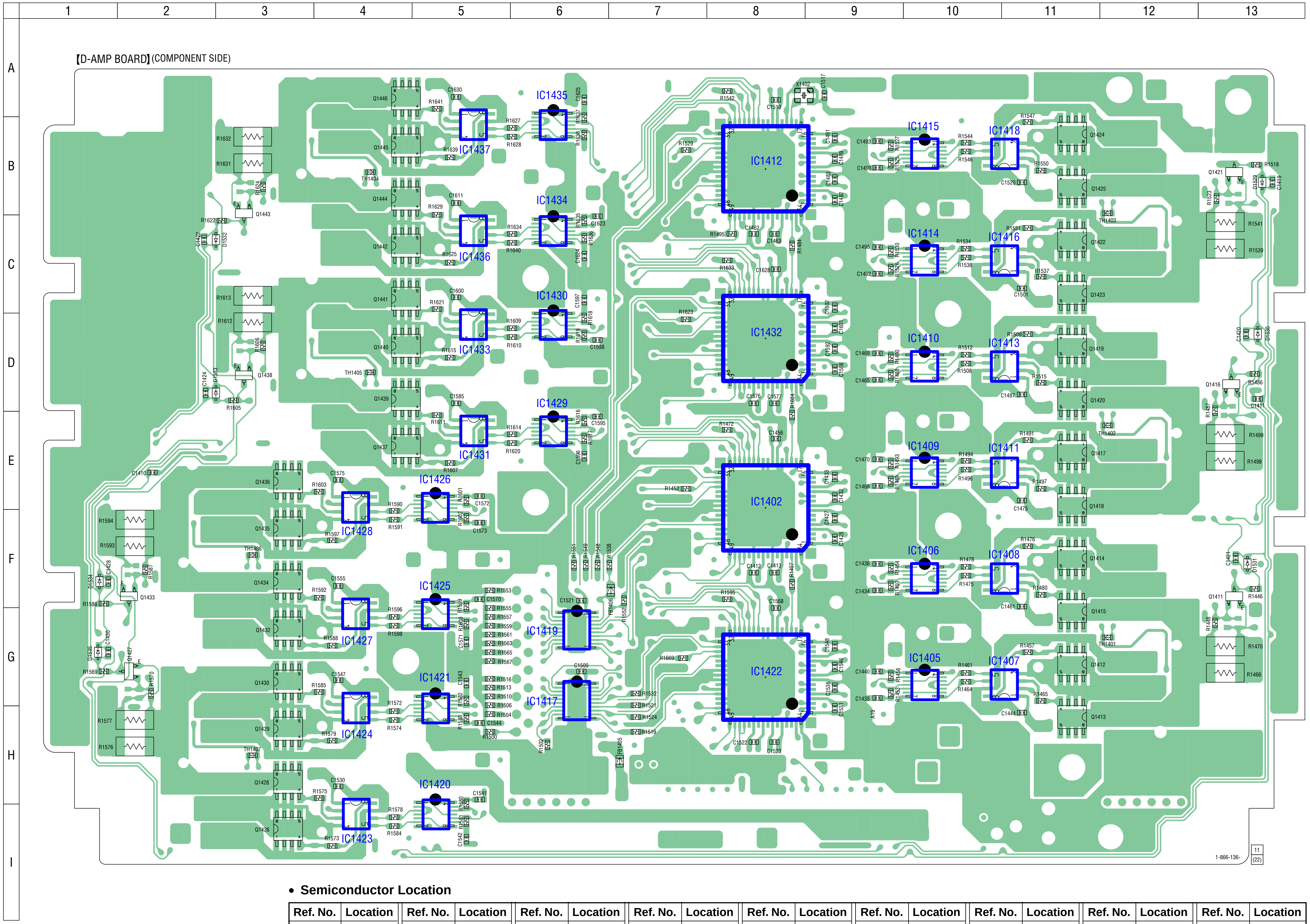
- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^1/_4$ W or less unless otherwise specified.
- ─▭─ : nonflammable resistor.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- ━━ : B+ Line.
- ╍╍ : B– Line.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  (When measuring circuit that used “VIRTUAL GND”, ground it from CN3804 pin ② on the MOTHER COM board.)
  – D-AMP board –
  no mark : TUNER
  – VIDEO board –
  no mark : VIDEO 1 mode
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AUDIO (ANALOG)
  ⇨ : AUDIO (DIGITAL)
  ⊐ : VIDEO

2-1. PRINTED WIRING BOARD – D-AMP Board (Component Side) – : Uses unleaded solder.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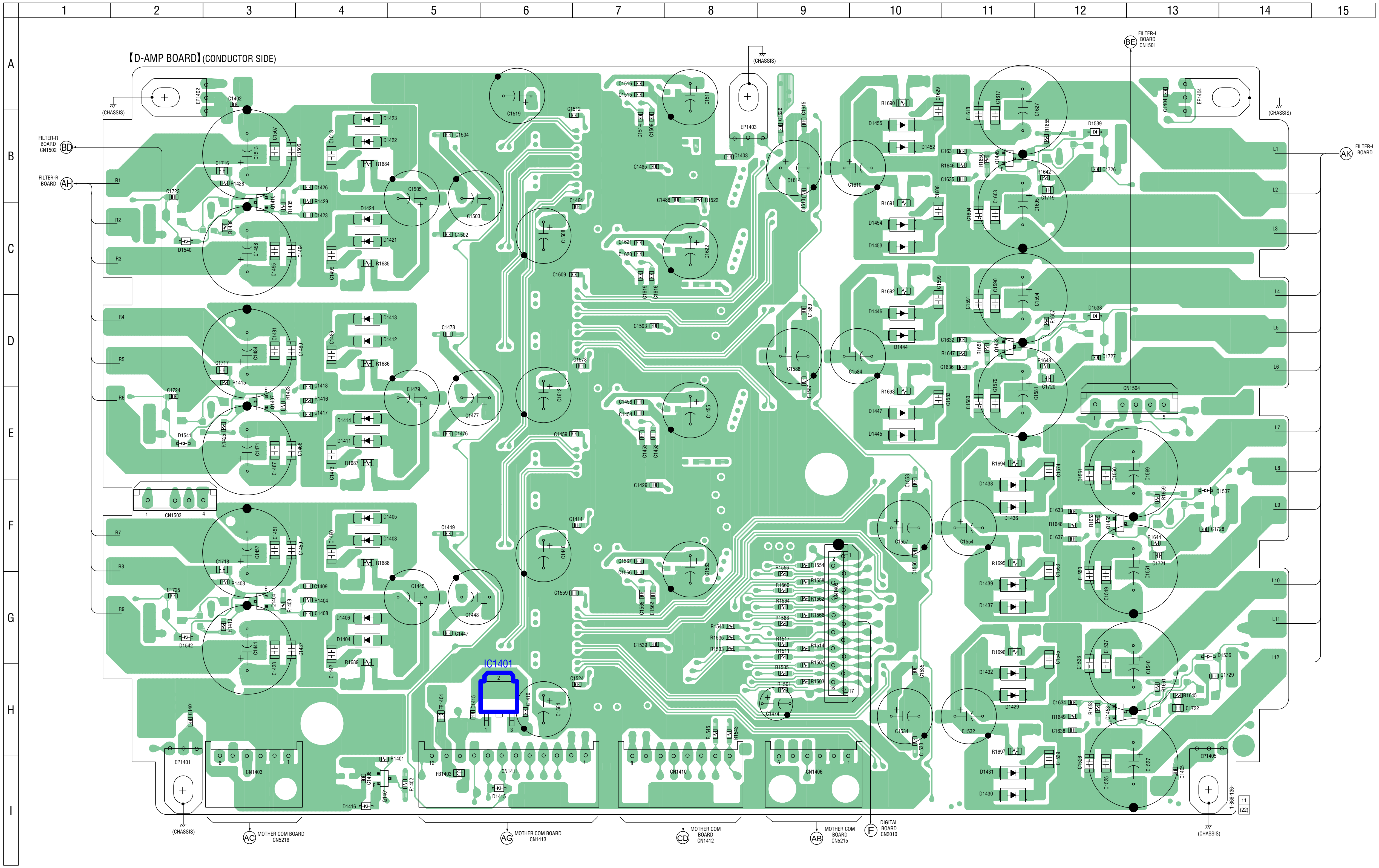
11
12
13
A
B
C
D
E
F
G
H
I
[D-AMP BOARD] (COMPONENT SIDE)
IC1435
IC1437
IC1415
IC1418
IC1412
IC1434
IC1436
IC1414
IC1416
IC1430
IC1433
IC1432
IC1410
IC1413
IC1429
IC1431
IC1409
IC1411
IC1426
IC1428
IC1402
IC1406
IC1408
IC1425
IC1419
IC1427
IC1405
IC1407
IC1421
IC1422
IC1417
IC1424
IC1420
IC1423
1-866-136-
11
(22)

- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1529	B-13	IC1405	G-10	IC1414	C-10	IC1423	I-4	IC1432	D-8	Q1413	H-11	Q1422	C-11	Q1432	G-3	Q1441	C-4
D1530	D-13	IC1406	F-10	IC1415	B-10	IC1424	H-4	IC1433	D-5	Q1414	F-11	Q1423	C-11	Q1433	F-2	Q1442	C-4
D1531	F-13	IC1407	G-11	IC1416	C-11	IC1425	G-5	IC1434	C-6	Q1415	G-11	Q1424	B-11	Q1434	F-3	Q1443	B-3
D1532	C-3	IC1408	F-11	IC1417	G-6	IC1426	E-5	IC1435	B-6	Q1416	D-13	Q1425	B-11	Q1435	F-3	Q1444	B-4
D1533	D-3	IC1409	E-10	IC1418	B-11	IC1427	G-4	IC1436	C-5	Q1417	E-11	Q1426	I-3	Q1436	E-3	Q1445	B-4
D1534	F-1	IC1410	D-10	IC1419	G-6	IC1428	E-4	IC1437	B-5	Q1418	E-11	Q1427	G-2	Q1437	E-4	Q1446	A-4
D1535	G-1	IC1411	E-11	IC1420	I-5	IC1429	E-6			Q1419	D-11	Q1428	H-3	Q1438	D-3		
		IC1412	B-8	IC1421	H-5	IC1430	D-6	Q1411	F-13	Q1420	D-11	Q1429	H-3	Q1439	D-4		
IC1402	E-8	IC1413	D-11	IC1422	G-8	IC1431	E-5	Q1412	G-11	Q1421	B-13	Q1430	G-3	Q1440	D-4		

2-2. PRINTED WIRING BOARD – D-AMP Board (Conductor Side) – LF : Uses unleaded solder.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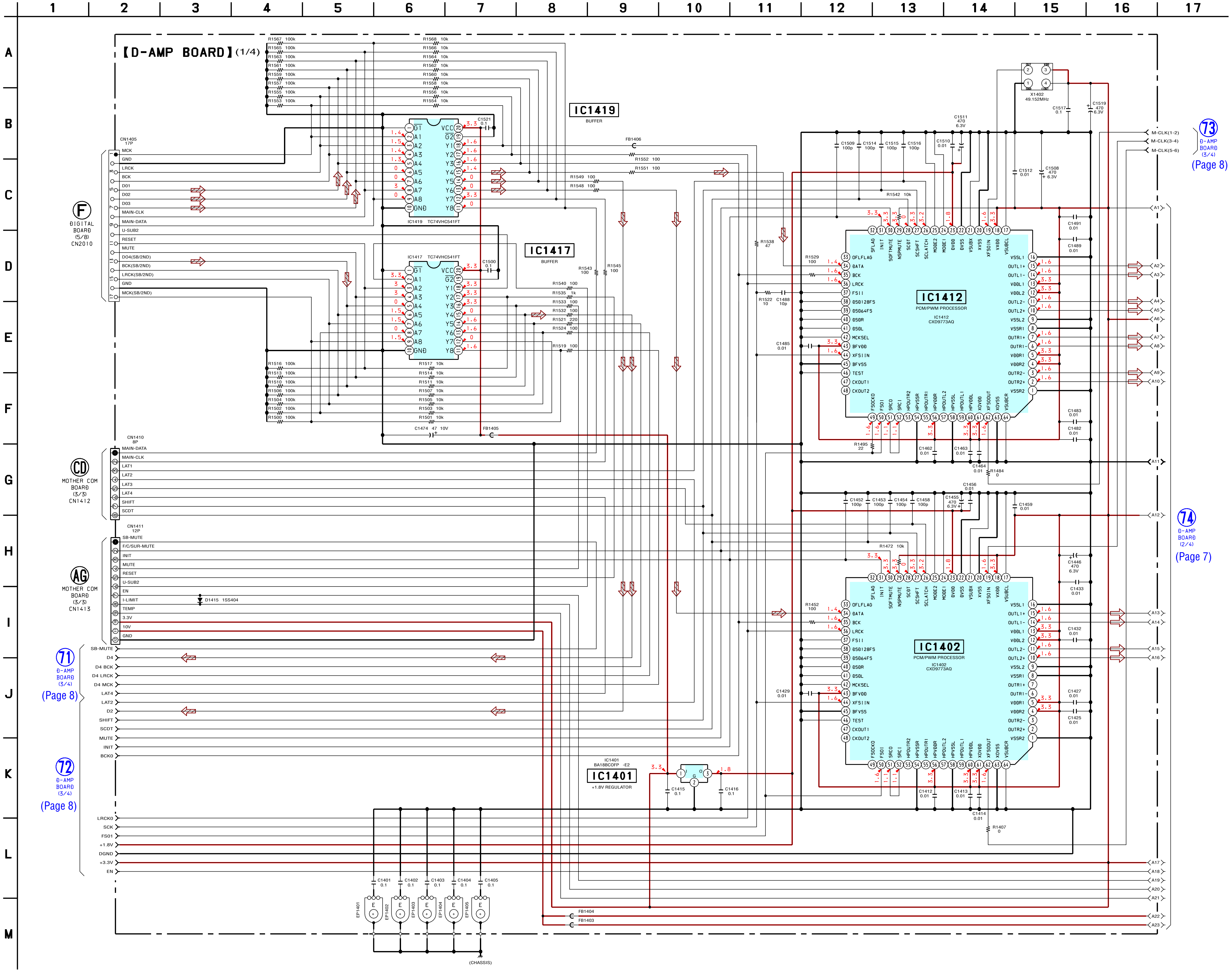
12
13
14
15
A
B
C
D
E
F
G
H
I
【D-AMP BOARD】(CONDUCTOR SIDE)
(CHASSIS)
FILTER-R BOARD CN1502
BD
FILTER-R BOARD
AH
FILTER-L BOARD CN1501
BE
FILTER-L BOARD
AK
R1
R2
R3
R4
R5
R6
R7
R8
R9
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
L12
CN1503
CN1504
IC1401
EP1401
EP1402
EP1403
EP1404
EP1405
CN1403
CN1411
CN1410
CN1406
FB1403
FB1404
MOTHER COM BOARD CN5216
AC
MOTHER COM BOARD CN1413
AG
MOTHER COM BOARD CN1412
CD
MOTHER COM BOARD CN5215
AB
DIGITAL BOARD CN2010
F
1-866-136-11 (22)

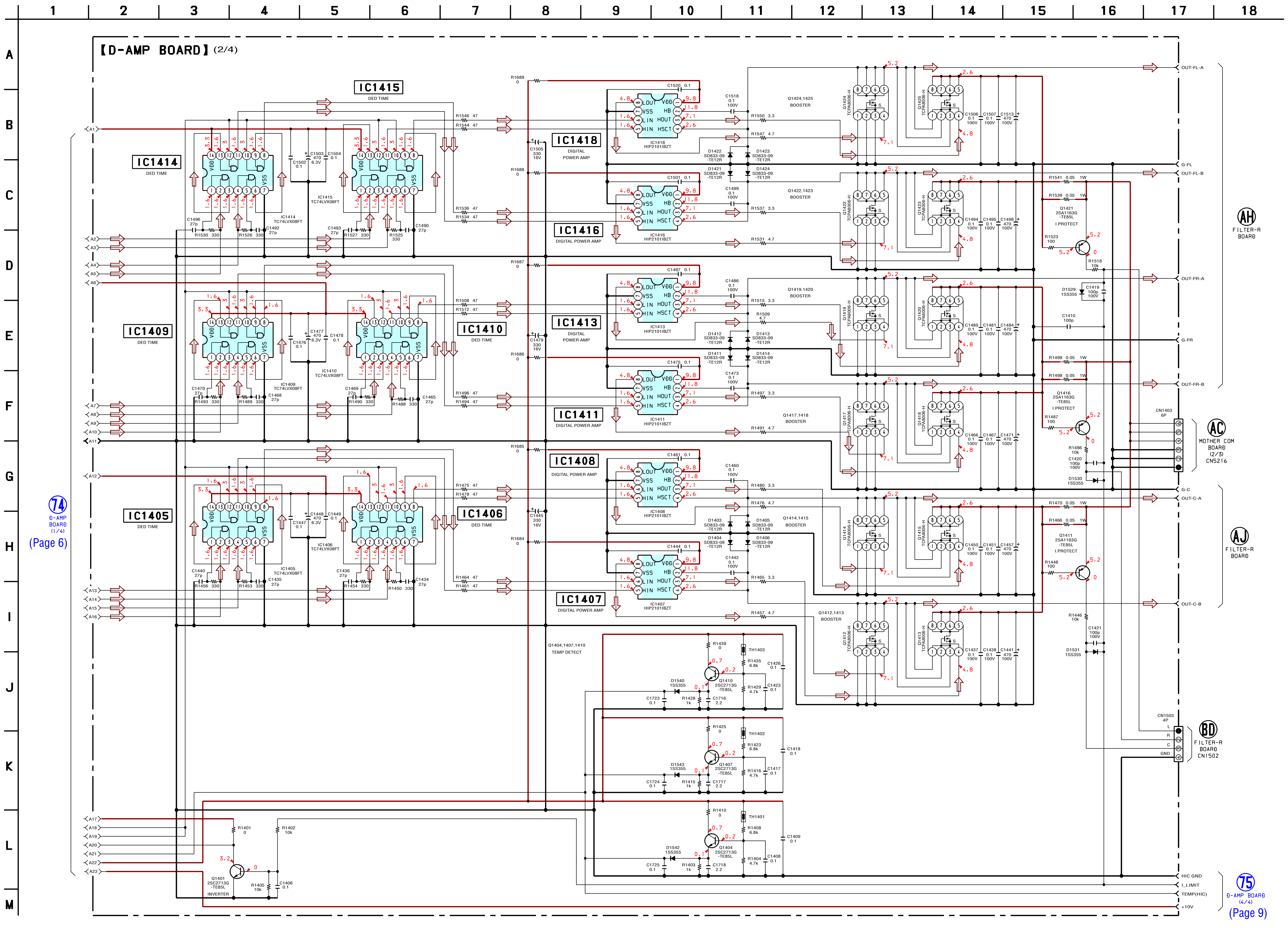
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1403	F-4	D1416	I-4	D1436	F-11	D1453	C-10	D1542	G-2	Q1452	D-11
D1404	G-4	D1421	C-4	D1437	G-11	D1454	C-10			Q1455	F-12
D1405	F-4	D1422	B-4	D1438	F-11	D1455	B-10	IC1401	H-6	Q1458	H-12
D1406	G-4	D1423	B-4	D1439	G-11	D1536	G-13				
D1411	E-4	D1424	C-4	D1444	D-10	D1537	F-13	Q1401	I-4		
D1412	D-4	D1429	H-11	D1445	E-10	D1538	D-12	Q1404	G-3		
D1413	D-4	D1430	I-11	D1446	D-5	D1539	B-12	Q1407	E-3		
D1414	E-4	D1431	I-11	D1447	E-10	D1540	C-2	Q1410	C-3		
D1415	I-6	D1432	H-11	D1452	B-10	D1541	E-2	Q1449	B-11		

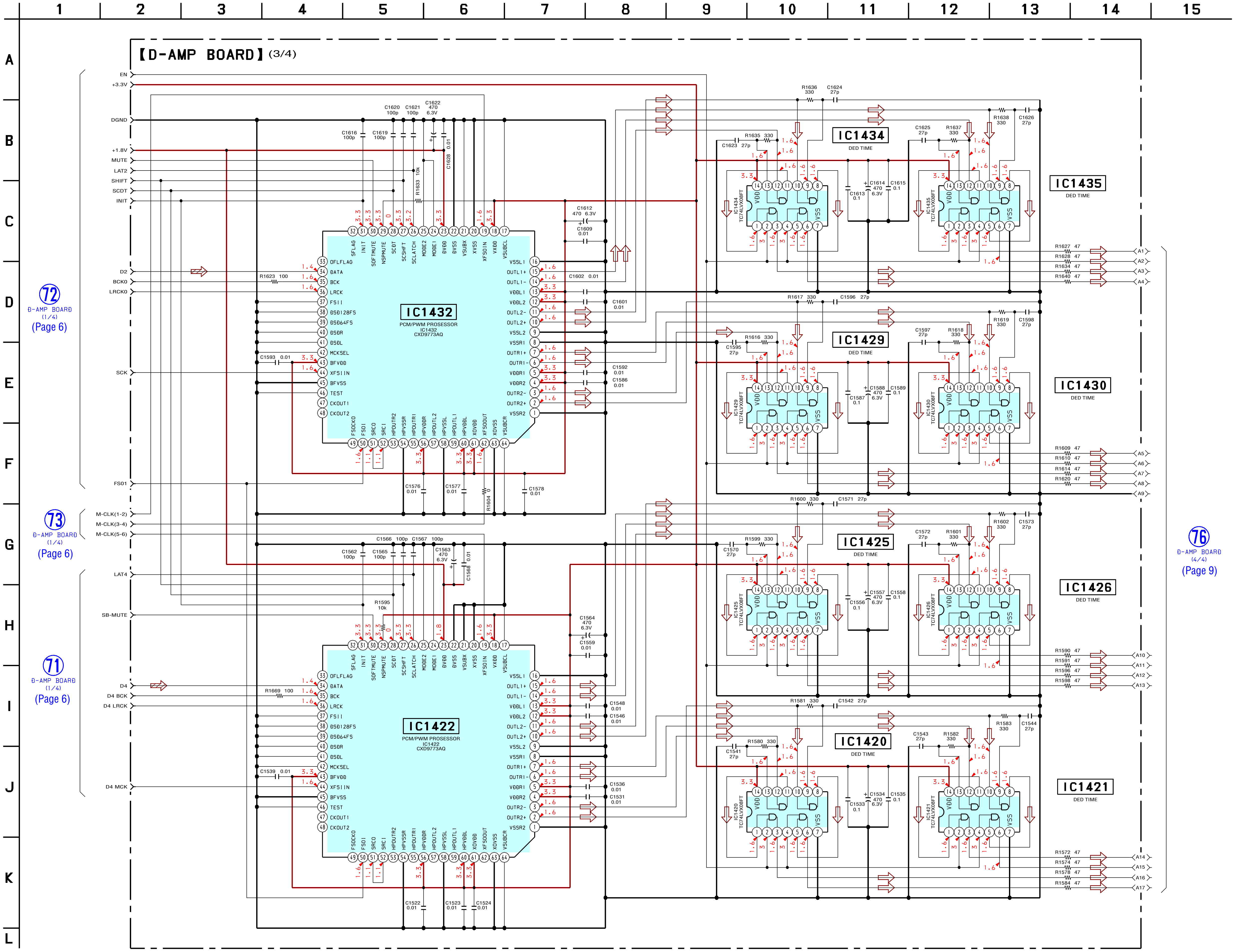
2-3. SCHEMATIC DIAGRAM – D-AMP Board (1/4) –


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L M
【D-AMP BOARD】(1/4)
IC1419
BUFFER
IC1419 TC74VHC541FT
IC1417
BUFFER
IC1417 TC74VHC541FT
IC1412
PCM/PWM PROCESSOR
IC1412
CXD9773AQ
IC1402
PCM/PWM PROCESSOR
IC1402
CXD9773AQ
IC1401
+1.8V REGULATOR
IC1401
BA18BC0FP -E2
X1402
49.152MHz
CN1405
17P
F
DIGITAL
BOARD
(5/8)
CN2010
CN1410
8P
CD
MOTHER COM
BOARD
(3/3)
CN1412
CN1411
12P
AG
MOTHER COM
BOARD
(3/3)
CN1413
D1415 1SS404
71
D-AMP
BOARD
(3/4)
(Page 8)
72
D-AMP
BOARD
(3/4)
(Page 8)
73
D-AMP
BOARD
(3/4)
(Page 8)
74
D-AMP
BOARD
(2/4)
(Page 7)
M-CLK(1-2)
M-CLK(3-4)
M-CLK(5-6)
MCK
GND
LRCK
BCK
D01
D02
D03
MAIN-CLK
MAIN-DATA
U-SUB2
RESET
MUTE
D04(SB/2ND)
BCK(SB/2ND)
LRCK(SB/2ND)
GND
MCK(SB/2ND)
MAIN-DATA
MAIN-CLK
LAT1
LAT2
LAT3
LAT4
SHIFT
SCDT
SB-MUTE
F/C/SUR-MUTE
INIT
MUTE
RESET
U-SUB2
EN
I-LIMIT
TEMP
3.3V
10V
GND
SB-MUTE
D4
D4 BCK
D4 LRCK
D4 MCK
LAT4
LAT2
D2
SHIFT
SCDT
MUTE
INIT
BCK0
LRCK0
SCK
FS01
+1.8V
DGND
+3.3V
EN
EP1401
EP1402
EP1403
EP1404
EP1405
(CHASSIS)
FB1403
FB1404
FB1405
FB1406

2-4. SCHEMATIC DIAGRAM – D-AMP Board (2/4) –


【D-AMP BOARD】(2/4)
IC1415 DED TIME
IC1414 DED TIME
IC1418 DIGITAL POWER AMP
IC1416 DIGITAL POWER AMP
IC1409 DED TIME
IC1410 DED TIME
IC1413 DIGITAL POWER AMP
IC1411 DIGITAL POWER AMP
IC1408 DIGITAL POWER AMP
IC1405 DED TIME
IC1406 DED TIME
IC1407 DIGITAL POWER AMP
IC1415 TC74LVX08FT
IC1414 TC74LVX08FT
IC1418 HIP2101IBZT
Q1424,1425 BOOSTER
Q1422,1423 BOOSTER
Q1419,1420 BOOSTER
Q1417,1418 BOOSTER
Q1414,1415 BOOSTER
Q1412,1413 BOOSTER
Q1421 2SA1163G -TE85L I.PROTECT
Q1416 2SA1163G -TE85L I.PROTECT
Q1411 2SA1163G -TE85L I.PROTECT
Q1404,1407,1410 TEMP DETECT
Q1401 2SC2713G -TE85L INVERTER
TH1403
TH1402
TH1401
OUT-FL-A
G-FL
OUT-FL-B
OUT-FR-A
G-FR
OUT-FR-B
G-C
OUT-C-A
OUT-C-B
CN1403 6P
CN1503 4P
HIC GND
I_LIMIT
TEMP(HIC)
+10V
74 D-AMP BOARD (1/4) (Page 6)
AH FILTER-R BOARD
AC MOTHER COM BOARD (2/3) CN5216
AJ FILTER-R BOARD
BD FILTER-R BOARD CN1502
75 D-AMP BOARD (4/4) (Page 9)

2-5. SCHEMATIC DIAGRAM – D-AMP Board (3/4) –


【D-AMP BOARD】(3/4)
IC1432
PCM/PWM PROSESSOR
IC1432
CXD9773AQ
IC1422
PCM/PWM PROSESSOR
IC1422
CXD9773AQ
IC1434
DED TIME
IC1435
DED TIME
IC1429
DED TIME
IC1430
DED TIME
IC1425
DED TIME
IC1426
DED TIME
IC1420
DED TIME
IC1421
DED TIME
TC74LVX08FT
72
D-AMP BOARD
(1/4)
(Page 6)
73
D-AMP BOARD
(1/4)
(Page 6)
71
D-AMP BOARD
(1/4)
(Page 6)
76
D-AMP BOARD
(4/4)
(Page 9)
EN
+3.3V
DGND
+1.8V
MUTE
LAT2
SHIFT
SCDT
INIT
D2
BCKO
LRCKO
SCK
FS01
M-CLK(1-2)
M-CLK(3-4)
M-CLK(5-6)
LAT4
SB-MUTE
D4
D4 BCK
D4 LRCK
D4 MCK
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
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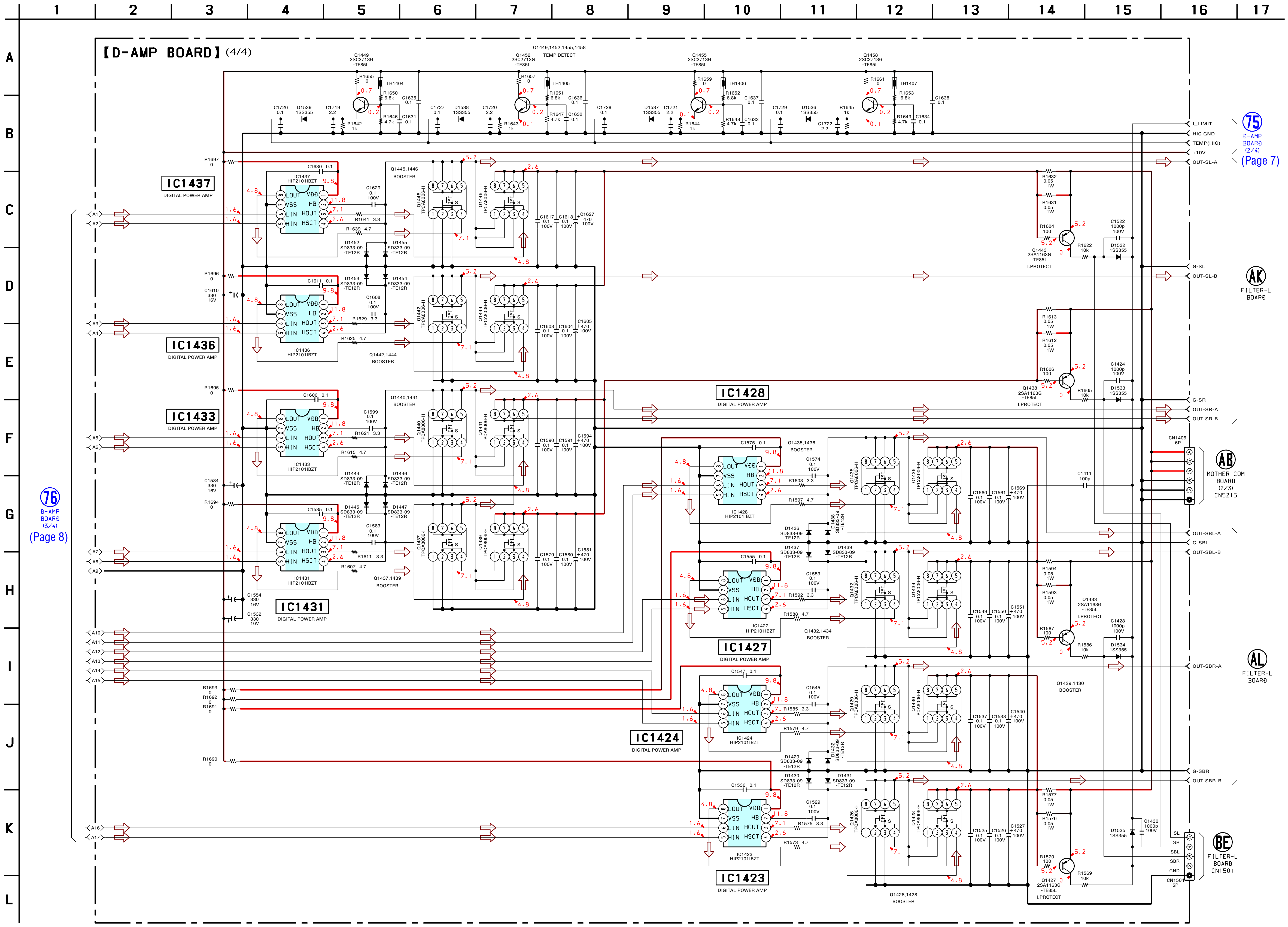
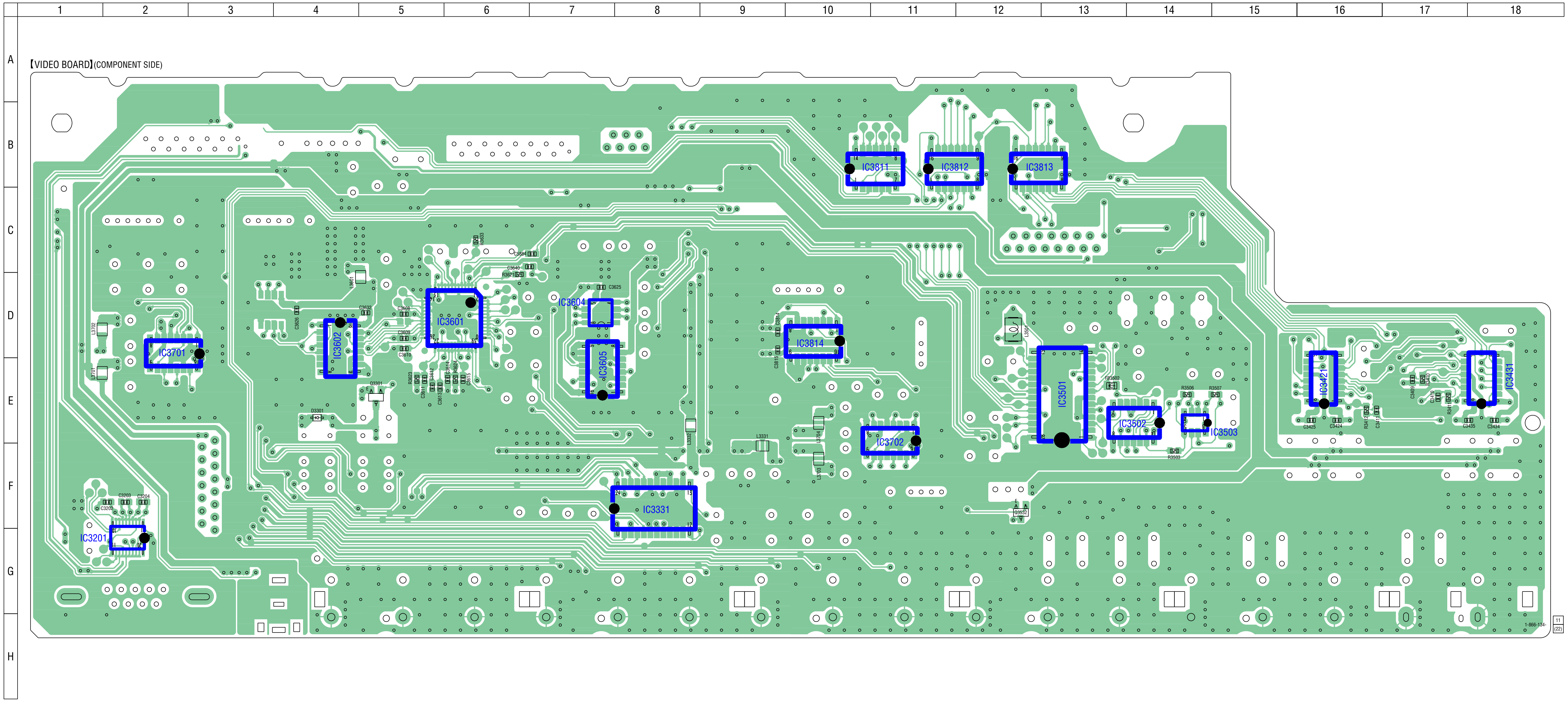
I
J
K
L

2-6. SCHEMATIC DIAGRAM – D-AMP Board (4/4) –


【D-AMP BOARD】(4/4)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L
IC1437 DIGITAL POWER AMP
IC1436 DIGITAL POWER AMP
IC1433 DIGITAL POWER AMP
IC1431 DIGITAL POWER AMP
IC1428 DIGITAL POWER AMP
IC1427 DIGITAL POWER AMP
IC1424 DIGITAL POWER AMP
IC1423 DIGITAL POWER AMP
HIP2101IBZT
LOUT VDD VSS HB LIN HOUT HIN HSCT
Q1449,1452,1455,1458 TEMP DETECT
2SC2713G -TE85L
Q1445,1446 BOOSTER
Q1442,1444 BOOSTER
Q1440,1441 BOOSTER
Q1437,1439 BOOSTER
Q1435,1436 BOOSTER
Q1432,1434 BOOSTER
Q1429,1430 BOOSTER
Q1426,1428 BOOSTER
TPCA8006-H
2SA1163G -TE85L I.PROTECT
I_LIMIT
HIC GND
TEMP(HIC)
+10V
OUT-SL-A
G-SL
OUT-SL-B
G-SR
OUT-SR-A
OUT-SR-B
OUT-SBL-A
G-SBL
OUT-SBL-B
OUT-SBR-A
G-SBR
OUT-SBR-B
75 D-AMP BOARD (2/4) (Page 7)
AK FILTER-L BOARD
AB MOTHER COM BOARD (2/3) CN5215
CN1406 6P
AL FILTER-L BOARD
BE FILTER-L BOARD CN1501
CN1500 5P
SL SR SBL SBR GND
76 D-AMP BOARD (3/4) (Page 8)
A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17

2-7. PRINTED WIRING BOARD – VIDEO Board (Component Side) –

LF : Uses unleaded solder.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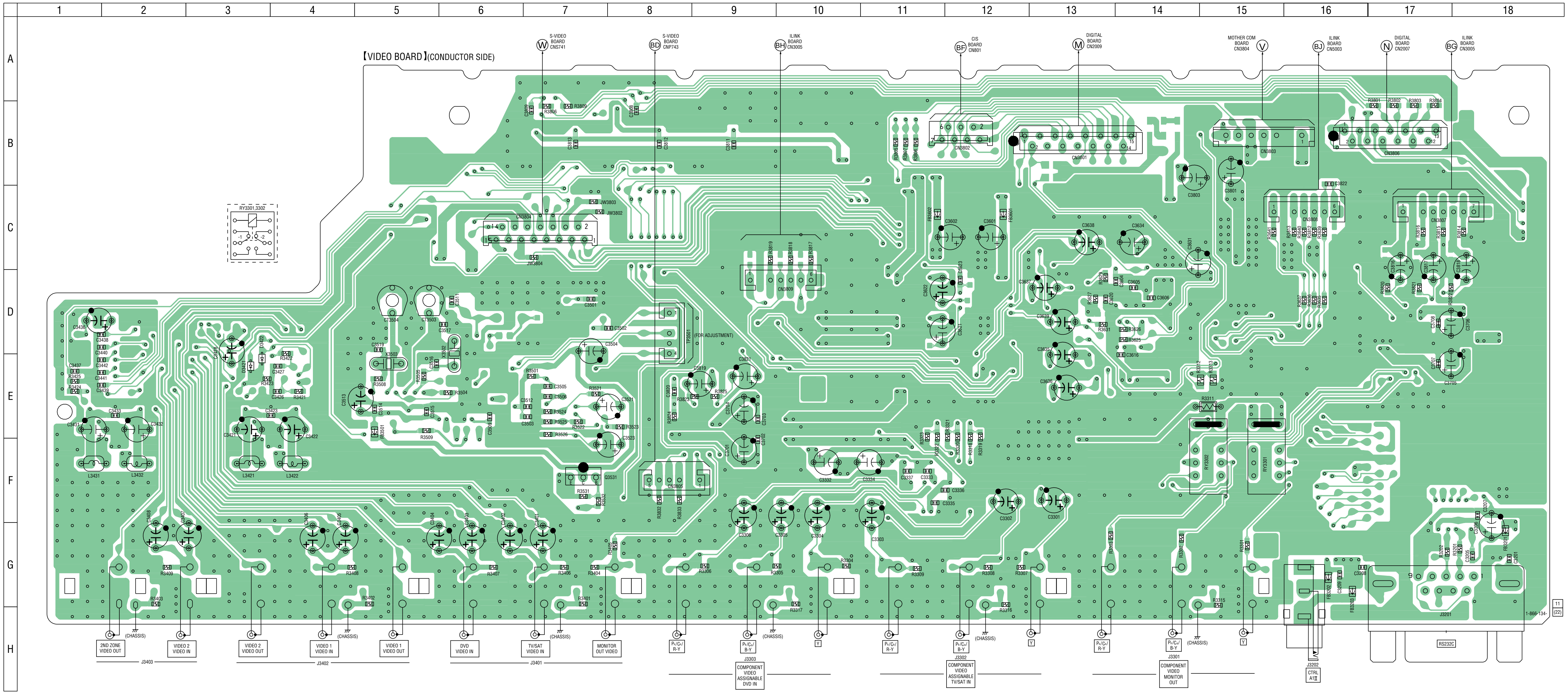
16
17
18
A
B
C
D
E
F
G
H
【VIDEO BOARD】(COMPONENT SIDE)
IC3811
IC3812
IC3813
IC3701
IC3602
IC3601
IC3604
IC3605
IC3814
IC3501
IC3502
IC3503
IC3421
IC3431
IC3702
IC3331
IC3201
D3301
Q3301
Q3532

- **Semiconductor Location**

Ref. No.	Location
D3301	E-4
IC3201	G-2
IC3331	F-8
IC3421	E-16
IC3431	E-18
IC3501	E-13
IC3502	E-14
IC3503	E-14
IC3601	D-6
IC3602	D-4
IC3604	D-7
IC3605	E-7
IC3701	D-2
IC3702	E-11
IC3811	B-11
IC3812	B-11
IC3813	B-12
IC3814	D-10
Q3301	E-5
Q3532	F-12

2-8. PRINTED WIRING BOARD – VIDEO Board (Conductor Side) –

LF : Uses unleaded solder.


1
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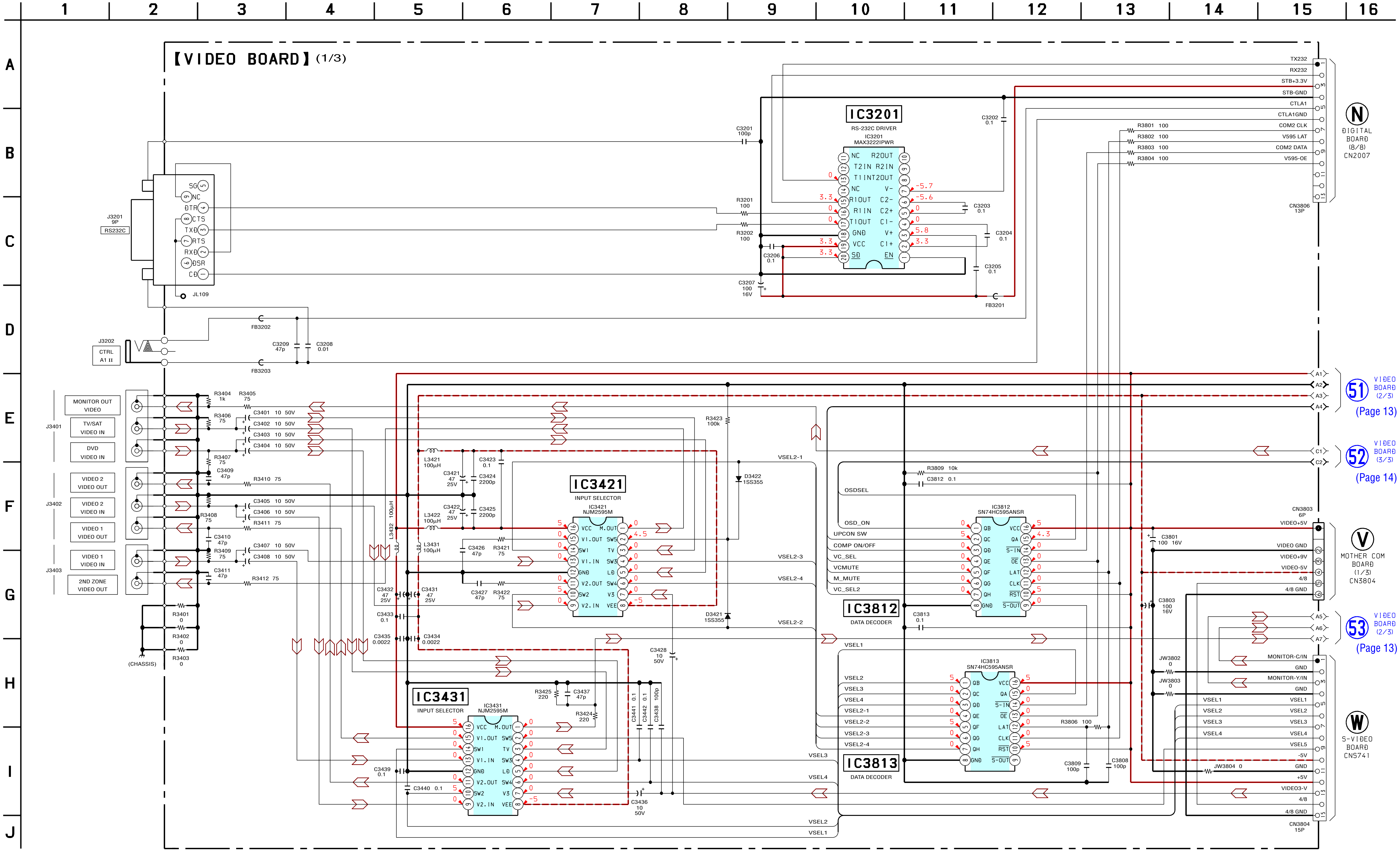
11
12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
【VIDEO BOARD】(CONDUCTOR SIDE)
W S-VIDEO BOARD CNS741
BD S-VIDEO BOARD CNP743
BH ILINK BOARD CN3005
BF CIS BOARD CN801
M DIGITAL BOARD CN2009
MOTHER COM BOARD CN3804 V
BJ ILINK BOARD CN5003
N DIGITAL BOARD CN2007
BG ILINK BOARD CN3005
RY3301,3302
CN3802
CN3801
CN3803
CN3806
CN3804
CN3809
CN3807
CN3808
CN3805
(FOR ADJUSTMENT)
Q3531
2ND ZONE VIDEO OUT
VIDEO 2 VIDEO IN
J3403
VIDEO 2 VIDEO OUT
VIDEO 1 VIDEO IN
VIDEO 1 VIDEO OUT
J3402
DVD VIDEO IN
TV/SAT VIDEO IN
MONITOR OUT VIDEO
J3401
(CHASSIS)
PR/CR/R-Y
PB/CB/B-Y
Y
J3303
COMPONENT VIDEO ASSIGNABLE DVD IN
J3302
COMPONENT VIDEO ASSIGNABLE TV/SAT IN
J3301
COMPONENT VIDEO MONITOR OUT
J3202
CTRL A1Ⅱ
J3201
RS232C
1-866-134-
11
(22)

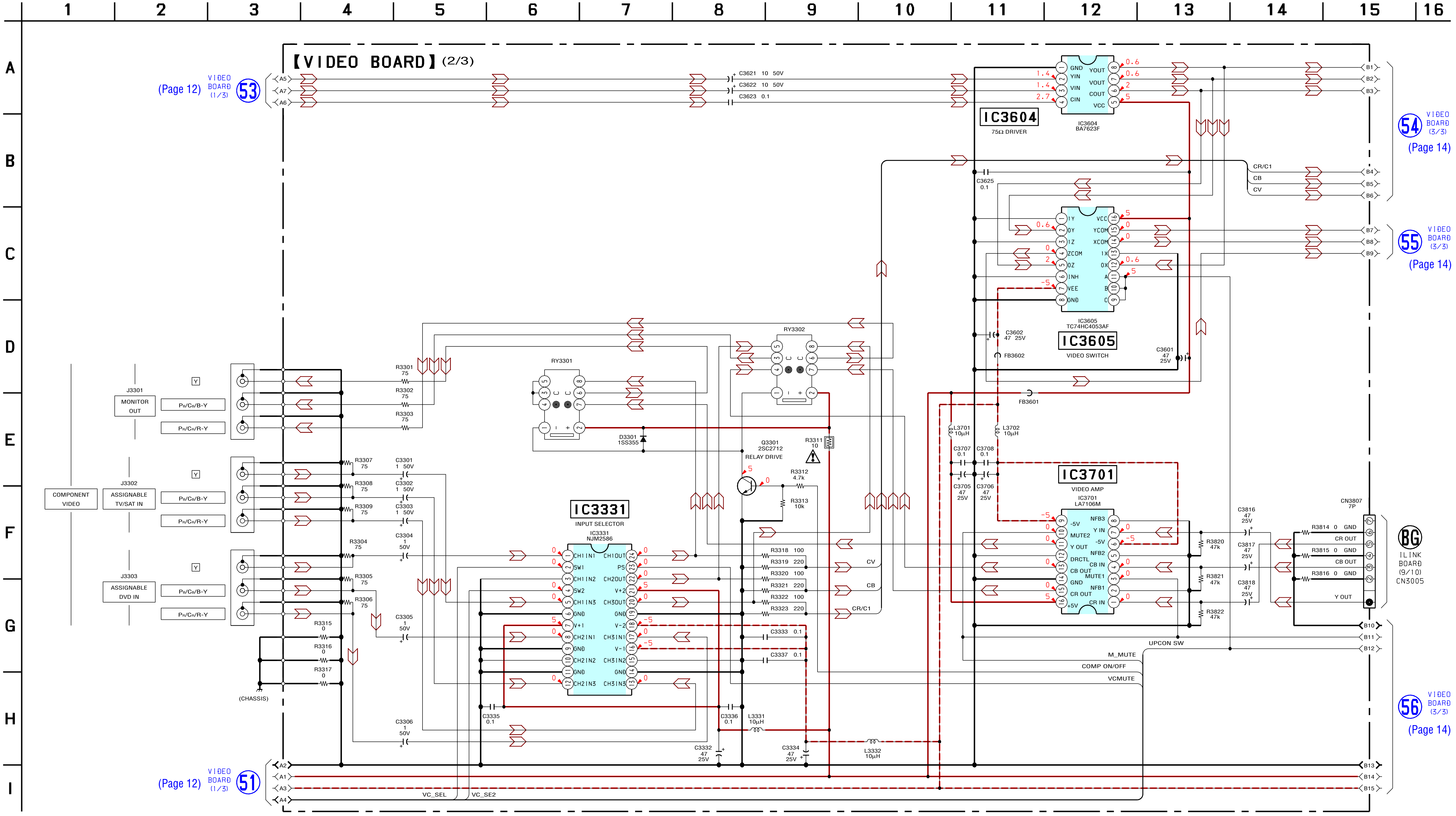
- **Semiconductor Location**

Ref. No.	Location
D3421	E-3
D3422	E-3
Q3531	F-7

2-9. SCHEMATIC DIAGRAM – VIDEO Board (1/3) –

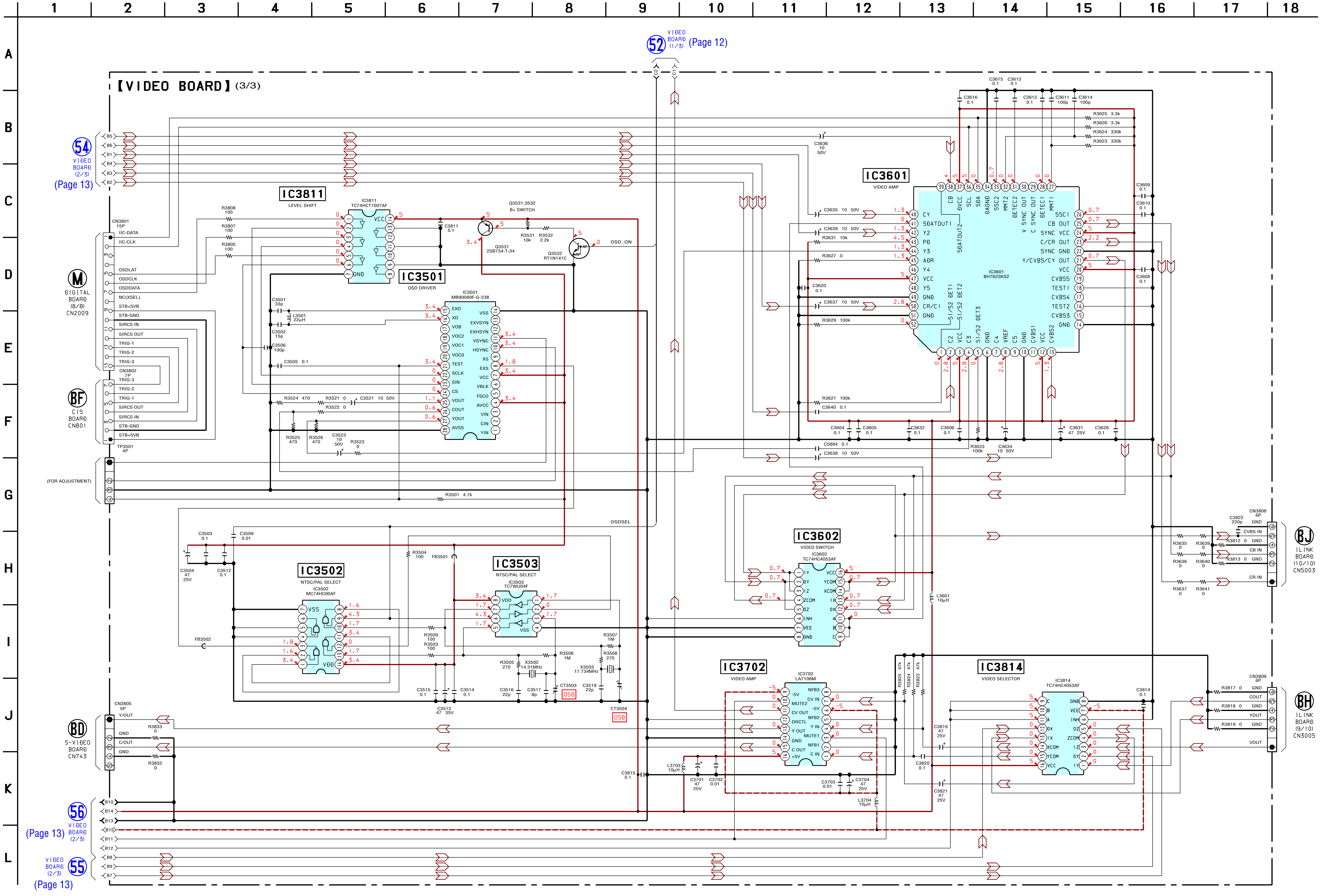

【VIDEO BOARD】(1/3)
IC3201
RS-232C DRIVER
IC3201 MAX3222IPWR
IC3421
INPUT SELECTOR
IC3421 NJM2595M
IC3431
INPUT SELECTOR
IC3431 NJM2595M
IC3812
DATA DECODER
IC3812 SN74HC595ANSR
IC3813
DATA DECODER
IC3813 SN74HC595ANSR
J3201 9P RS232C
J3202 CTRL A1 II
J3401
J3402
J3403
MONITOR OUT VIDEO
TV/SAT VIDEO IN
DVD VIDEO IN
VIDEO 2 VIDEO OUT
VIDEO 2 VIDEO IN
VIDEO 1 VIDEO OUT
VIDEO 1 VIDEO IN
2ND ZONE VIDEO OUT
(CHASSIS)
N DIGITAL BOARD (8/8) CN2007
CN3806 13P
TX232
RX232
STB+3.3V
STB-GND
CTLA1
CTLA1GND
COM2 CLK
V595 LAT
COM2 DATA
V595-OE
51 VIDEO BOARD (2/3) (Page 13)
52 VIDEO BOARD (3/3) (Page 14)
53 VIDEO BOARD (2/3) (Page 13)
V MOTHER COM BOARD (1/3) CN3804
CN3803 6P
VIDEO+5V
VIDEO GND
VIDEO+9V
VIDEO-5V
4/8
4/8 GND
W S-VIDEO BOARD CN5741
CN3804 15P
MONITOR-C/IN
GND
MONITOR-Y/IN
VSEL1
VSEL2
VSEL3
VSEL4
VSEL5
-5V
+5V
VIDEO3-V
OSDSEL
OSD_ON
UPCON SW
COMP ON/OFF
VC_SEL
VCMUTE
M_MUTE
VC_SEL2
VSEL2-1
VSEL2-2
VSEL2-3
VSEL2-4
D3421 1SS355
D3422 1SS355
FB3201
FB3202
FB3203
JL109

2-10. SCHEMATIC DIAGRAM – VIDEO Board (2/3) –



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I
【VIDEO BOARD】(2/3)
(Page 12) VIDEO BOARD (1/3) 53
(Page 12) VIDEO BOARD (1/3) 51
54 VIDEO BOARD (3/3) (Page 14)
55 VIDEO BOARD (3/3) (Page 14)
56 VIDEO BOARD (3/3) (Page 14)
BG I LINK BOARD (9/10) CN3005
IC3604 75Ω DRIVER
IC3604 BA7623F
GND YOUT YIN VOUT VIN COUT CIN VCC
IC3605 TC74HC4053AF
IC3605 VIDEO SWITCH
IC3701 VIDEO AMP
IC3701 LA7106M
IC3331 INPUT SELECTOR
IC3331 NJM2586
RY3301
RY3302
Q3301 2SC2712 RELAY DRIVE
D3301 1SS355
COMPONENT VIDEO
J3301 MONITOR OUT
J3302 ASSIGNABLE TV/SAT IN
J3303 ASSIGNABLE DVD IN
Y
PB/CB/B-Y
PR/CR/R-Y
(CHASSIS)
C3621 10 50V
C3622 10 50V
C3623 0.1
C3625 0.1
C3602 47 25V
C3601 47 25V
FB3602
FB3601
L3701 10µH
L3702 10µH
C3707 0.1
C3708 0.1
C3705 47 25V
C3706 47 25V
R3301 75
R3302 75
R3303 75
R3307 75
R3308 75
R3309 75
R3304 75
R3305 75
R3306 75
R3315 0
R3316 0
R3317 0
C3301 1 50V
C3302 1 50V
C3303 1 50V
C3304 1 50V
C3305 1 50V
C3306 1 50V
R3311 10
R3312 4.7k
R3313 10k
R3318 100
R3319 220
R3320 100
R3321 220
R3322 100
R3323 220
C3333 0.1
C3337 0.1
C3335 0.1
C3336 0.1
L3331 10µH
C3332 47 25V
C3334 47 25V
L3332 10µH
CV
CB
CR/C1
C3816 47 25V
C3817 47 25V
C3818 47 25V
R3820 47k
R3821 47k
R3822 47k
CN3807 7P
R3814 0 GND
CR OUT
R3815 0 GND
CB OUT
R3816 0 GND
Y OUT
UPCON SW
M_MUTE
COMP ON/OFF
VCMUTE
VC_SEL
VC_SE2
A5 A7 A6 A2 A1 A3 A4
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15

2-11. SCHEMATIC DIAGRAM – VIDEO Board (3/3) –


【VIDEO BOARD】(3/3)
52 VIDEO BOARD (1/3) (Page 12)
54 VIDEO BOARD (2/3) (Page 13)
M DIGITAL BOARD (8/8) CN2009
BF CIS BOARD CN801
BD S-VIDEO BOARD CN743
56 VIDEO BOARD (2/3) (Page 13)
55 VIDEO BOARD (2/3) (Page 13)
BJ ILINK BOARD (10/10) CN5003
BH ILINK BOARD (9/10) CN3005
IC3811 LEVEL SHIFT
IC3811 TC74HCT7007AF
IC3501 OSD DRIVER
IC3501 MB90089F-G-238
Q3531,3532 B+ SWITCH
Q3531 2SB734-T-34
Q3532 RT1N141C
IC3601 VIDEO AMP
IC3601 BH7623KS2
IC3602 VIDEO SWITCH
IC3602 TC74HC4053AF
IC3502 NTSC/PAL SELECT
IC3502 MC74HC00AF
IC3503 NTSC/PAL SELECT
IC3503 TC7WU04F
IC3702 VIDEO AMP
IC3702 LA7106M
IC3814 VIDEO SELECTOR
IC3814 TC74HC4053AF
CN3801 15P
CN3802 7P
TP3501 4P
(FOR ADJUSTMENT)
CN3805 5P
CN3808 6P
CN3809 6P
OSD_ON
OSDSEL
OSD
X3502 14.31MHz
X3503 17.734MHz

3. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA... : μA... uPA... : μPA...
  uPB... : μPB... uPC... : μPC...
  uPD... : μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-1099-055-A	D-AMP BOARD, COMPLETE			
		*************************			
		< CAPACITOR >			
C1401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1403	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1405	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1406	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1408	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1410	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1411	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1412	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1413	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1414	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1417	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1418	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1419	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1420	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1421	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1422	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1423	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1424	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1425	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1426	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1427	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1428	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1429	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1430	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1432	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1433	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1434	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1435	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1436	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1437	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1438	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1440	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1441	1-112-159-11	ELECT	470uF	20%	100V
C1442	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1444	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1445	1-112-177-11	ELECT	330uF	20%	16V
C1446	1-100-722-21	ELECT	470uF	20%	6.3V
C1447	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1448	1-100-722-21	ELECT	470uF	20%	6.3V
C1449	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1450	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1451	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1452	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1453	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1454	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1455	1-100-722-21	ELECT	470uF	20%	6.3V
C1456	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1457	1-112-159-11	ELECT	470uF	20%	100V
C1458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1459	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1460	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1461	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1462	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1463	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1464	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1465	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1466	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1467	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1468	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1469	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1470	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1471	1-112-159-11	ELECT	470uF	20%	100V
C1473	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1474	1-126-947-11	ELECT	47uF	20%	35V
C1475	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1476	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1477	1-100-722-21	ELECT	470uF	20%	6.3V
C1478	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1479	1-112-177-11	ELECT	330uF	20%	16V
C1480	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1481	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1482	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1483	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1484	1-112-159-11	ELECT	470uF	20%	100V
C1485	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1486	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1487	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1488	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V

D-AMP

Ref. No.	Part No.	Description			Remark
C1489	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1490	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1491	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1492	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1493	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1494	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1495	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1496	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1498	1-112-159-11	ELECT	470uF	20%	100V
C1499	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1500	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1502	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1503	1-100-722-21	ELECT	470uF	20%	6.3V
C1504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1505	1-112-177-11	ELECT	330uF	20%	16V
C1506	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1507	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1508	1-100-722-21	ELECT	470uF	20%	6.3V
C1509	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1510	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1511	1-100-722-21	ELECT	470uF	20%	6.3V
C1512	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1513	1-112-159-11	ELECT	470uF	20%	100V
C1514	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1515	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1516	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1517	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1518	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1519	1-100-722-21	ELECT	470uF	20%	6.3V
C1520	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1521	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1522	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1523	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1524	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1525	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1526	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1527	1-112-159-11	ELECT	470uF	20%	100V
C1529	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1530	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1531	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1532	1-112-177-11	ELECT	330uF	20%	16V
C1533	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1534	1-100-722-21	ELECT	470uF	20%	6.3V
C1535	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1536	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1537	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1538	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1539	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1540	1-112-159-11	ELECT	470uF	20%	100V
C1541	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1542	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1543	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1544	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1546	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1547	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C1548	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1549	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1550	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1551	1-112-159-11	ELECT	470uF	20%	100V
C1553	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1554	1-112-177-11	ELECT	330uF	20%	16V
C1555	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1557	1-100-722-21	ELECT	470uF	20%	6.3V
C1558	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1559	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1560	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1561	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1562	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1563	1-100-722-21	ELECT	470uF	20%	6.3V
C1564	1-100-722-21	ELECT	470uF	20%	6.3V
C1565	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1568	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1569	1-112-159-11	ELECT	470uF	20%	100V
C1570	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1571	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1572	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1573	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1574	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1575	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1576	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1577	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1578	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1579	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1580	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1581	1-112-159-11	ELECT	470uF	20%	100V
C1583	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1584	1-112-177-11	ELECT	330uF	20%	16V
C1585	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1586	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1587	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1588	1-100-722-21	ELECT	470uF	20%	6.3V
C1589	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1590	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1591	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1592	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1593	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1594	1-112-159-11	ELECT	470uF	20%	100V
C1595	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1596	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1597	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1598	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1599	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1600	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1602	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1603	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1604	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1605	1-112-159-11	ELECT	470uF	20%	100V
C1608	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C1610	1-112-177-11	ELECT	330uF	20%	16V
C1611	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1612	1-100-722-21	ELECT	470uF	20%	6.3V
C1613	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1614	1-100-722-21	ELECT	470uF	20%	6.3V
C1615	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1616	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1617	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1618	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1619	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1620	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1621	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1622	1-100-722-21	ELECT	470uF	20%	6.3V
C1623	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1624	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1625	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1626	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1627	1-112-159-11	ELECT	470uF	20%	100V
C1628	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1629	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1630	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1631	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1632	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1633	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1636	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1637	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1638	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1716	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1717	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1718	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1719	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1720	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1721	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1722	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1723	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1724	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1725	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1726	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1727	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1728	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1729	1-164-156-11	CERAMIC CHIP	0.1uF		25V

< CONNECTOR >

Ref. No.	Part No.	Description	Remark
CN1403	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P	
CN1405	1-794-004-11	CONNECTOR 17P	
CN1406	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P	
* CN1410	1-770-727-11	CONNECTOR, BOARD TO BOARD 8P	
CN1411	1-770-731-11	CONNECTOR, BOARD TO BOARD 12P	

< DIODE >

Ref. No.	Part No.	Description		Remark
D1403	6-501-050-01	DIODE	SD833-09-TE12R	
D1404	6-501-050-01	DIODE	SD833-09-TE12R	
D1405	6-501-050-01	DIODE	SD833-09-TE12R	
D1406	6-501-050-01	DIODE	SD833-09-TE12R	
D1411	6-501-050-01	DIODE	SD833-09-TE12R	
D1412	6-501-050-01	DIODE	SD833-09-TE12R	
D1413	6-501-050-01	DIODE	SD833-09-TE12R	
D1414	6-501-050-01	DIODE	SD833-09-TE12R	
D1415	6-500-219-01	DIODE	1SS404 (TPH3)	
D1416	8-719-988-61	DIODE	1SS355TE-17	
D1421	6-501-050-01	DIODE	SD833-09-TE12R	
D1422	6-501-050-01	DIODE	SD833-09-TE12R	
D1423	6-501-050-01	DIODE	SD833-09-TE12R	
D1424	6-501-050-01	DIODE	SD833-09-TE12R	
D1429	6-501-050-01	DIODE	SD833-09-TE12R	
D1430	6-501-050-01	DIODE	SD833-09-TE12R	
D1431	6-501-050-01	DIODE	SD833-09-TE12R	
D1432	6-501-050-01	DIODE	SD833-09-TE12R	
D1436	6-501-050-01	DIODE	SD833-09-TE12R	
D1437	6-501-050-01	DIODE	SD833-09-TE12R	
D1438	6-501-050-01	DIODE	SD833-09-TE12R	
D1439	6-501-050-01	DIODE	SD833-09-TE12R	
D1444	6-501-050-01	DIODE	SD833-09-TE12R	
D1445	6-501-050-01	DIODE	SD833-09-TE12R	
D1446	6-501-050-01	DIODE	SD833-09-TE12R	
D1447	6-501-050-01	DIODE	SD833-09-TE12R	
D1452	6-501-050-01	DIODE	SD833-09-TE12R	
D1453	6-501-050-01	DIODE	SD833-09-TE12R	
D1454	6-501-050-01	DIODE	SD833-09-TE12R	
D1455	6-501-050-01	DIODE	SD833-09-TE12R	
D1529	8-719-988-61	DIODE	1SS355TE-17	
D1530	8-719-988-61	DIODE	1SS355TE-17	
D1531	8-719-988-61	DIODE	1SS355TE-17	
D1532	8-719-988-61	DIODE	1SS355TE-17	
D1533	8-719-988-61	DIODE	1SS355TE-17	
D1534	8-719-988-61	DIODE	1SS355TE-17	
D1535	8-719-988-61	DIODE	1SS355TE-17	
D1536	8-719-988-61	DIODE	1SS355TE-17	
D1537	8-719-988-61	DIODE	1SS355TE-17	
D1538	8-719-988-61	DIODE	1SS355TE-17	
D1539	8-719-988-61	DIODE	1SS355TE-17	
D1540	8-719-988-61	DIODE	1SS355TE-17	
D1541	8-719-988-61	DIODE	1SS355TE-17	
D1542	8-719-988-61	DIODE	1SS355TE-17	

< EARTH TERMINAL >

Ref. No.	Part No.	Description	Remark
* EP1401	1-537-738-21	TERMINAL, EARTH	
* EP1402	1-537-738-21	TERMINAL, EARTH	
* EP1403	1-537-738-21	TERMINAL, EARTH	
* EP1404	1-537-738-21	TERMINAL, EARTH	
* EP1405	1-537-738-21	TERMINAL, EARTH	

< FERRITE BEAD >

Ref. No.	Part No.	Description	Remark
FB1403	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1404	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1406	1-414-813-11	FERRITE, EMI (SMD) (2012)	

< IC >

Ref. No.	Part No.	Description		Remark
IC1401	8-759-832-05	IC	BA18BC0FP-E2	
IC1402	6-705-817-01	IC	CXD9773AQ	
IC1405	8-759-538-95	IC	TC74LVX08FT (EL)	
IC1406	8-759-538-95	IC	TC74LVX08FT (EL)	
IC1407	6-704-197-01	IC	HIP2101IBZT	

D-AMP

Ref. No.	Part No.	Description	Remark
IC1408	6-704-197-01	IC HIP2101IBZT	
IC1409	8-759-538-95	IC TC74LVX08FT (EL)	
IC1410	8-759-538-95	IC TC74LVX08FT (EL)	
IC1411	6-704-197-01	IC HIP2101IBZT	
IC1412	6-705-817-01	IC CXD9773AQ	
IC1413	6-704-197-01	IC HIP2101IBZT	
IC1414	8-759-538-95	IC TC74LVX08FT (EL)	
IC1415	8-759-538-95	IC TC74LVX08FT (EL)	
IC1416	6-704-197-01	IC HIP2101IBZT	
IC1417	8-759-524-50	IC TC74VHC541FT (EL)	
IC1418	6-704-197-01	IC HIP2101IBZT	
IC1419	8-759-524-50	IC TC74VHC541FT (EL)	
IC1420	8-759-538-95	IC TC74LVX08FT (EL)	
IC1421	8-759-538-95	IC TC74LVX08FT (EL)	
IC1422	6-705-817-01	IC CXD9773AQ	
IC1423	6-704-197-01	IC HIP2101IBZT	
IC1424	6-704-197-01	IC HIP2101IBZT	
IC1425	8-759-538-95	IC TC74LVX08FT (EL)	
IC1426	8-759-538-95	IC TC74LVX08FT (EL)	
IC1427	6-704-197-01	IC HIP2101IBZT	
IC1428	6-704-197-01	IC HIP2101IBZT	
IC1429	8-759-538-95	IC TC74LVX08FT (EL)	
IC1430	8-759-538-95	IC TC74LVX08FT (EL)	
IC1431	6-704-197-01	IC HIP2101IBZT	
IC1432	6-705-817-01	IC CXD9773AQ	
IC1433	6-704-197-01	IC HIP2101IBZT	
IC1434	8-759-538-95	IC TC74LVX08FT (EL)	
IC1435	8-759-538-95	IC TC74LVX08FT (EL)	
IC1436	6-704-197-01	IC HIP2101IBZT	
IC1437	6-704-197-01	IC HIP2101IBZT	
		< TRANSISTOR >	
Q1401	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1404	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1407	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1410	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1411	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1412	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1413	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1414	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1415	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1416	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1417	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1418	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1419	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1420	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1421	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1422	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1423	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1424	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1425	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1426	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1427	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1428	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1429	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1430	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1432	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1433	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1434	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1435	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1436	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1437	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1438	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1439	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1440	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1441	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1442	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1443	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1444	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1445	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1446	6-551-063-01	FET TPCA8006-H (T2LS01Q)	
Q1449	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1452	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1455	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1458	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
R1401	1-216-864-11	SHORT CHIP 0	
R1402	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1403	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1404	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R1405	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1407	1-216-864-11	SHORT CHIP 0	
R1408	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1410	1-216-864-11	SHORT CHIP 0	
R1415	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1416	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R1423	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP 0	
R1428	1-216-821-11	METAL CHIP 1K 5%	1/10W
R1429	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R1435	1-218-867-11	METAL CHIP 6.8K 0.5%	1/10W
R1439	1-216-864-11	SHORT CHIP 0	
R1446	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1448	1-216-809-11	METAL CHIP 100 5%	1/10W
R1450	1-216-815-11	METAL CHIP 330 5%	1/10W
R1452	1-216-809-11	METAL CHIP 100 5%	1/10W
R1453	1-216-815-11	METAL CHIP 330 5%	1/10W
R1454	1-216-815-11	METAL CHIP 330 5%	1/10W
R1456	1-216-815-11	METAL CHIP 330 5%	1/10W
R1457	1-216-793-11	METAL CHIP 4.7 5%	1/10W
R1461	1-216-805-11	METAL CHIP 47 5%	1/10W
R1464	1-216-805-11	METAL CHIP 47 5%	1/10W
R1465	1-216-791-11	METAL CHIP 3.3 5%	1/10W
R1466	1-219-685-11	RES-CHIP 0.05 1%	1W
R1470	1-219-685-11	RES-CHIP 0.05 1%	1W
R1472	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1475	1-216-805-11	METAL CHIP 47 5%	1/10W
R1476	1-216-793-11	METAL CHIP 4.7 5%	1/10W
R1478	1-216-805-11	METAL CHIP 47 5%	1/10W
R1480	1-216-791-11	METAL CHIP 3.3 5%	1/10W
R1484	1-216-864-11	SHORT CHIP 0	
R1486	1-216-833-11	METAL CHIP 10K 5%	1/10W
R1487	1-216-809-11	METAL CHIP 100 5%	1/10W
R1488	1-216-815-11	METAL CHIP 330 5%	1/10W

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

Ref. No.	Part No.	Description			Remark
R1489	1-216-815-11	METAL CHIP	330	5%	1/10W
R1490	1-216-815-11	METAL CHIP	330	5%	1/10W
R1491	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1493	1-216-815-11	METAL CHIP	330	5%	1/10W
R1494	1-216-805-11	METAL CHIP	47	5%	1/10W
R1495	1-216-801-11	METAL CHIP	22	5%	1/10W
R1496	1-216-805-11	METAL CHIP	47	5%	1/10W
R1497	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1498	1-219-685-11	RES-CHIP	0.05	1%	1W
R1499	1-219-685-11	RES-CHIP	0.05	1%	1W
R1500	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1501	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1502	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1503	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1504	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1508	1-216-805-11	METAL CHIP	47	5%	1/10W
R1509	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1510	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-805-11	METAL CHIP	47	5%	1/10W
R1513	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1516	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1517	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1519	1-216-809-11	METAL CHIP	100	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-797-11	METAL CHIP	10	5%	1/10W
R1523	1-216-809-11	METAL CHIP	100	5%	1/10W
R1524	1-216-809-11	METAL CHIP	100	5%	1/10W
R1525	1-216-815-11	METAL CHIP	330	5%	1/10W
R1526	1-216-815-11	METAL CHIP	330	5%	1/10W
R1527	1-216-815-11	METAL CHIP	330	5%	1/10W
R1529	1-216-809-11	METAL CHIP	100	5%	1/10W
R1530	1-216-815-11	METAL CHIP	330	5%	1/10W
R1531	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1532	1-216-809-11	METAL CHIP	100	5%	1/10W
R1533	1-216-809-11	METAL CHIP	100	5%	1/10W
R1534	1-216-805-11	METAL CHIP	47	5%	1/10W
R1535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1536	1-216-805-11	METAL CHIP	47	5%	1/10W
R1537	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1538	1-216-805-11	METAL CHIP	47	5%	1/10W
R1539	1-219-685-11	RES-CHIP	0.05	1%	1W
R1540	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-219-685-11	RES-CHIP	0.05	1%	1W
R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1544	1-216-805-11	METAL CHIP	47	5%	1/10W
R1545	1-216-809-11	METAL CHIP	100	5%	1/10W
R1546	1-216-805-11	METAL CHIP	47	5%	1/10W
R1547	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1548	1-216-809-11	METAL CHIP	100	5%	1/10W
R1549	1-216-809-11	METAL CHIP	100	5%	1/10W
R1550	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1551	1-216-809-11	METAL CHIP	100	5%	1/10W
R1552	1-216-809-11	METAL CHIP	100	5%	1/10W
R1553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1555	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1556	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1559	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1564	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1568	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1569	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1570	1-216-809-11	METAL CHIP	100	5%	1/10W
R1572	1-216-805-11	METAL CHIP	47	5%	1/10W
R1573	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1574	1-216-805-11	METAL CHIP	47	5%	1/10W
R1575	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1576	1-219-685-11	RES-CHIP	0.05	1%	1W
R1577	1-219-685-11	RES-CHIP	0.05	1%	1W
R1578	1-216-805-11	METAL CHIP	47	5%	1/10W
R1579	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1580	1-216-815-11	METAL CHIP	330	5%	1/10W
R1581	1-216-815-11	METAL CHIP	330	5%	1/10W
R1582	1-216-815-11	METAL CHIP	330	5%	1/10W
R1583	1-216-815-11	METAL CHIP	330	5%	1/10W
R1584	1-216-805-11	METAL CHIP	47	5%	1/10W
R1585	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W
R1588	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1590	1-216-805-11	METAL CHIP	47	5%	1/10W
R1591	1-216-805-11	METAL CHIP	47	5%	1/10W
R1592	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1593	1-219-685-11	RES-CHIP	0.05	1%	1W
R1594	1-219-685-11	RES-CHIP	0.05	1%	1W
R1595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1596	1-216-805-11	METAL CHIP	47	5%	1/10W
R1597	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1598	1-216-805-11	METAL CHIP	47	5%	1/10W
R1599	1-216-815-11	METAL CHIP	330	5%	1/10W
R1600	1-216-815-11	METAL CHIP	330	5%	1/10W
R1601	1-216-815-11	METAL CHIP	330	5%	1/10W
R1602	1-216-815-11	METAL CHIP	330	5%	1/10W
R1603	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1604	1-216-864-11	SHORT CHIP	0		
R1605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1606	1-216-809-11	METAL CHIP	100	5%	1/10W
R1607	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1609	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1610	1-216-805-11	METAL CHIP	47	5%	1/10W
R1611	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1612	1-219-685-11	RES-CHIP	0.05	1%	1W
R1613	1-219-685-11	RES-CHIP	0.05	1%	1W
R1614	1-216-805-11	METAL CHIP	47	5%	1/10W
R1615	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1616	1-216-815-11	METAL CHIP	330	5%	1/10W
R1617	1-216-815-11	METAL CHIP	330	5%	1/10W
R1618	1-216-815-11	METAL CHIP	330	5%	1/10W
R1619	1-216-815-11	METAL CHIP	330	5%	1/10W
R1620	1-216-805-11	METAL CHIP	47	5%	1/10W
R1621	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1623	1-216-809-11	METAL CHIP	100	5%	1/10W
R1624	1-216-809-11	METAL CHIP	100	5%	1/10W
R1625	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1627	1-216-805-11	METAL CHIP	47	5%	1/10W
R1628	1-216-805-11	METAL CHIP	47	5%	1/10W
R1629	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1631	1-219-685-11	RES-CHIP	0.05	1%	1W
R1632	1-219-685-11	RES-CHIP	0.05	1%	1W
R1633	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1634	1-216-805-11	METAL CHIP	47	5%	1/10W
R1635	1-216-815-11	METAL CHIP	330	5%	1/10W
R1636	1-216-815-11	METAL CHIP	330	5%	1/10W
R1637	1-216-815-11	METAL CHIP	330	5%	1/10W
R1638	1-216-815-11	METAL CHIP	330	5%	1/10W
R1639	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1640	1-216-805-11	METAL CHIP	47	5%	1/10W
R1641	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1642	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1646	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1647	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1648	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1649	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1650	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1651	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1652	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1653	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1655	1-216-864-11	SHORT CHIP	0		
R1657	1-216-864-11	SHORT CHIP	0		
R1659	1-216-864-11	SHORT CHIP	0		
R1661	1-216-864-11	SHORT CHIP	0		
R1669	1-216-809-11	METAL CHIP	100	5%	1/10W
R1684	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1685	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1686	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1687	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1688	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1689	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1690	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1691	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1692	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1693	1-208-299-41	RES-CHIP	3.3	2%	1/10W

Ref. No.	Part No.	Description			Remark
R1694	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1695	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1696	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1697	1-208-299-41	RES-CHIP	3.3	2%	1/10W
		< THERMISTOR >			
TH1401	1-805-074-11	THERMISTOR			
TH1402	1-805-074-11	THERMISTOR			
TH1403	1-805-074-11	THERMISTOR			
TH1404	1-805-074-11	THERMISTOR			
TH1405	1-805-074-11	THERMISTOR			
TH1406	1-805-074-11	THERMISTOR			
TH1407	1-805-074-11	THERMISTOR			
		< VIBRATOR >			
X1402	1-813-388-11	OSCILLATOR, CRYSTAL (49.152MHz)			

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	A-1108-890-A	VIDEO BOARD, COMPLETE **********************			
		< CAPACITOR >			
C3201	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-126-933-11	ELECT	100uF	20%	16V
C3208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3209	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3301	1-126-960-11	ELECT	1uF	20%	50V
C3302	1-126-960-11	ELECT	1uF	20%	50V
C3303	1-126-960-11	ELECT	1uF	20%	50V
C3304	1-126-960-11	ELECT	1uF	20%	50V
C3305	1-126-960-11	ELECT	1uF	20%	50V
C3306	1-126-960-11	ELECT	1uF	20%	50V
C3332	1-126-947-11	ELECT	47uF	20%	35V
C3333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3334	1-126-947-11	ELECT	47uF	20%	35V
C3335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3336	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3401	1-126-964-11	ELECT	10uF	20%	50V
C3402	1-126-964-11	ELECT	10uF	20%	50V
C3403	1-126-964-11	ELECT	10uF	20%	50V
C3404	1-126-964-11	ELECT	10uF	20%	50V
C3405	1-126-964-11	ELECT	10uF	20%	50V
C3406	1-126-964-11	ELECT	10uF	20%	50V
C3407	1-126-964-11	ELECT	10uF	20%	50V
C3408	1-126-964-11	ELECT	10uF	20%	50V
C3409	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3421	1-126-947-11	ELECT	47uF	20%	35V
C3422	1-126-947-11	ELECT	47uF	20%	35V
C3423	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

Ref. No.	Part No.	Description			Remark
C3425	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3426	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3427	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3428	1-126-964-11	ELECT	10uF	20%	50V
C3431	1-126-947-11	ELECT	47uF	20%	35V
C3432	1-126-947-11	ELECT	47uF	20%	35V
C3433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3436	1-126-964-11	ELECT	10uF	20%	50V
C3437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3440	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3501	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3502	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-126-947-11	ELECT	47uF	20%	35V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-126-947-11	ELECT	47uF	20%	35V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3517	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C3519	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3521	1-126-964-11	ELECT	10uF	20%	50V
C3523	1-126-964-11	ELECT	10uF	20%	50V
C3601	1-126-947-11	ELECT	47uF	20%	35V
C3602	1-126-947-11	ELECT	47uF	20%	35V
C3604	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3611	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3612	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3613	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3614	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3621	1-126-964-11	ELECT	10uF	20%	50V
C3622	1-126-964-11	ELECT	10uF	20%	50V
C3623	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3626	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3631	1-126-947-11	ELECT	47uF	20%	35V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-126-964-11	ELECT	10uF	20%	50V
C3635	1-126-964-11	ELECT	10uF	20%	50V
C3636	1-126-964-11	ELECT	10uF	20%	50V
C3637	1-126-964-11	ELECT	10uF	20%	50V
C3638	1-126-964-11	ELECT	10uF	20%	50V
C3639	1-126-964-11	ELECT	10uF	20%	50V
C3640	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3701	1-126-947-11	ELECT	47uF	20%	35V
C3702	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-126-947-11	ELECT	47uF	20%	35V
C3705	1-126-947-11	ELECT	47uF	20%	35V
C3706	1-126-947-11	ELECT	47uF	20%	35V
C3707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3801	1-126-933-11	ELECT	100uF	20%	16V
C3803	1-126-933-11	ELECT	100uF	20%	16V
C3808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3813	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3814	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3816	1-126-947-11	ELECT	47uF	20%	35V
C3817	1-126-947-11	ELECT	47uF	20%	35V
C3818	1-126-947-11	ELECT	47uF	20%	35V
C3819	1-126-947-11	ELECT	47uF	20%	35V
C3820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3821	1-126-947-11	ELECT	47uF	20%	35V
C3822	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C5884	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN3801	1-794-003-11	CONNECTOR 15P			
CN3802	1-568-826-11	CONNECTOR, FFC 7P			
CN3803	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN3804	1-784-776-11	CONNECTOR, FFC 15P			
CN3805	1-784-922-11	PIN, CONNECTOR 5P			
CN3806	1-794-002-11	CONNECTOR 13P			
CN3807	1-784-923-11	PIN, CONNECTOR 7P			
CN3808	1-779-977-11	PIN, CONNECTOR 6P			
CN3809	1-779-977-11	PIN, CONNECTOR 6P			
		< TRIMMER >			
CT3503	1-141-442-91	CAP, CERAMIC TRIMMER			
CT3504	1-141-442-91	CAP, CERAMIC TRIMMER			
		< DIODE >			
D3301	8-719-988-61	DIODE 1SS355TE-17			
D3421	8-719-988-61	DIODE 1SS355TE-17			
D3422	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB3201	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3203	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3501	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3502	1-414-813-11	FERRITE, EMI (SMD) (2012)			
FB3601	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3602	1-469-152-11	FERRITE, EMI (SMD) (2012)			

VIDEO

Ref. No.	Part No.	Description		Remark
		< IC >		
IC3201	6-705-514-01	IC	MAX3222IPWR	
IC3331	6-706-767-01	IC	NJM2586AM	
IC3421	6-704-199-01	IC	NJM2595M-TE2	
IC3431	6-704-199-01	IC	NJM2595M-TE2	
IC3501	6-700-367-01	IC	MB90089PF-G-238-BND	
IC3502	8-759-032-01	IC	MC74HC00AF	
IC3503	8-759-242-70	IC	TC7WU04F	
IC3601	6-706-723-01	IC	BH7623KS2	
IC3602	8-759-671-94	IC	MC74HC4053AFEL	
IC3604	8-759-682-76	IC	BA7622F-E2-A	
IC3605	8-759-671-94	IC	MC74HC4053AFEL	
IC3701	8-759-663-94	IC	LA7106M-TLM	
IC3702	8-759-663-94	IC	LA7106M-TLM	
IC3811	8-759-238-47	IC	TC74HCT7007AF (EL)	
IC3812	8-759-268-29	IC	SN74HC595ANS	
IC3813	8-759-268-29	IC	SN74HC595ANS	
IC3814	8-759-671-94	IC	MC74HC4053AFEL	
		< JACK >		
J3201	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)		
J3202	1-563-330-11	JACK (CTRL A1II)		
J3301	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)		
J3302	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE TV/SAT IN)		
J3303	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE DVD IN)		
J3401	1-770-337-21	JACK, PIN 3P (MONITOR OUT VIDEO, TV/SAT/DVD VIDEO IN)		
J3402	1-770-337-21	JACK, PIN 3P (VIDEO 1 VIDEO IN/OUT, VIDEO 2 VIDEO OUT)		
J3403	1-794-435-11	JACK, PIN 2P (VIDEO 2 VIDEO IN, 2ND ZONE VIDEO OUT)		
		< JUMPER RESISTOR >		
JW3802	1-216-864-11	SHORT CHIP	0	
JW3803	1-216-864-11	SHORT CHIP	0	
JW3804	1-216-864-11	SHORT CHIP	0	
		< COIL >		
L3331	1-469-525-11	INDUCTOR	10uH	
L3332	1-469-525-11	INDUCTOR	10uH	
L3421	1-410-482-31	INDUCTOR	100uH	
L3422	1-410-482-31	INDUCTOR	100uH	
L3431	1-410-482-31	INDUCTOR	100uH	
L3432	1-410-482-31	INDUCTOR	100uH	
L3501	1-408-781-00	INDUCTOR	22uH	
L3601	1-469-525-11	INDUCTOR	10uH	
L3701	1-469-525-11	INDUCTOR	10uH	
L3702	1-469-525-11	INDUCTOR	10uH	
L3703	1-469-525-11	INDUCTOR	10uH	
L3704	1-469-525-11	INDUCTOR	10uH	
		< TRANSISTOR >		
Q3301	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q3531	8-729-140-97	TRANSISTOR	2SB734-34	

Ref. No.	Part No.	Description			Remark
Q3532	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R3201	1-216-809-11	METAL CHIP	100	5%	1/10W
R3202	1-216-809-11	METAL CHIP	100	5%	1/10W
R3301	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3302	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3303	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3304	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3305	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3306	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3307	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3308	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3309	1-211-990-11	METAL CHIP	75	0.5%	1/10W
⚠R3311	1-249-393-11	CARBON	10	5%	1/4W F
R3312	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3313	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-864-11	SHORT CHIP	0		
R3317	1-216-864-11	SHORT CHIP	0		
R3318	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3319	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3320	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3321	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3322	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3323	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0		
R3402	1-216-864-11	SHORT CHIP	0		
R3403	1-216-864-11	SHORT CHIP	0		
R3404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3405	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3406	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3407	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3408	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3409	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3410	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3411	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3412	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3421	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3422	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3423	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3424	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3425	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3501	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3503	1-216-809-11	METAL CHIP	100	5%	1/10W
R3504	1-216-809-11	METAL CHIP	100	5%	1/10W
R3505	1-216-814-11	METAL CHIP	270	5%	1/10W
R3506	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3508	1-216-814-11	METAL CHIP	270	5%	1/10W
R3509	1-216-809-11	METAL CHIP	100	5%	1/10W
R3521	1-216-864-11	SHORT CHIP	0		
R3522	1-216-864-11	SHORT CHIP	0		
R3523	1-216-864-11	SHORT CHIP	0		
R3524	1-216-817-11	METAL CHIP	470	5%	1/10W
R3525	1-216-817-11	METAL CHIP	470	5%	1/10W
R3526	1-216-817-11	METAL CHIP	470	5%	1/10W
R3531	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3621	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3623	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3624	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3627	1-216-864-11	SHORT CHIP	0		
R3629	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3633	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3635	1-216-864-11	SHORT CHIP	0		
R3636	1-216-864-11	SHORT CHIP	0		
R3637	1-216-864-11	SHORT CHIP	0		
R3639	1-216-864-11	SHORT CHIP	0		
R3640	1-216-864-11	SHORT CHIP	0		
R3641	1-216-864-11	SHORT CHIP	0		
R3801	1-216-809-11	METAL CHIP	100	5%	1/10W
R3802	1-216-809-11	METAL CHIP	100	5%	1/10W
R3803	1-216-809-11	METAL CHIP	100	5%	1/10W
R3804	1-216-809-11	METAL CHIP	100	5%	1/10W
R3805	1-216-809-11	METAL CHIP	100	5%	1/10W
R3806	1-216-809-11	METAL CHIP	100	5%	1/10W
R3807	1-216-809-11	METAL CHIP	100	5%	1/10W
R3808	1-216-809-11	METAL CHIP	100	5%	1/10W
R3809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3812	1-216-864-11	SHORT CHIP	0		
R3813	1-216-864-11	SHORT CHIP	0		
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-216-864-11	SHORT CHIP	0		
R3816	1-216-864-11	SHORT CHIP	0		
R3817	1-216-864-11	SHORT CHIP	0		
R3818	1-216-864-11	SHORT CHIP	0		
R3819	1-216-864-11	SHORT CHIP	0		
R3820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3821	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3822	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3823	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3824	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3832	1-216-864-11	SHORT CHIP	0		
R3833	1-216-864-11	SHORT CHIP	0		
		< RELAY >			
RY3301	1-755-184-11	RELAY			
RY3302	1-755-184-11	RELAY			
		< CONNECTOR >			
TP3501	1-784-921-11	PIN, CONNECTOR 4P			
		< VIBRATOR >			
X3502	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)			
X3503	1-781-820-21	VIBRATOR, CRYSTAL (17.734MHz)			

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2005.06	New
1.1	2005.09	Addition of BLACK type (US and Canadian models only)
1.2	2005.11	Addition of Chinese model Change of Part No. for ELECT CAPACITOR on ANALOG board Delete of AC INLET board by change in AC inlet Change of Part No. for Ref. No. IC1800 on MOTHER COM board Change of ANALOG, FAN, FILTER-L, FILTER-R and HDMI POWER boards (suffix-22) Change of DISPLAY, FUNCTION, HP, JOG, KEY BOARD, LED, POWER SW, POWER SW SUB, VIDEO-3 and VOL boards (suffix-13) Change of D-AMP and VIDEO boards (suffix-22) (SUPPLEMENT-1) (ECN-ECA62121/ECB08799/ECB13263/ECB17475/ECB24854/ECB27896)
1.3	2005.12	Addition of Part No. for ILINK board and note (SPM-05086)